

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF072418\  
 Data File : BF107618.D  
 Acq On : 24 Jul 2018 14:57  
 Operator : JU/SJ  
 Sample : J4096-03 2X  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DW-5

Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0  
 Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF072018.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 5.189       | 482           | 485         | 497          | rBV      | 305784         | 383762        | 7.27%           | 0.514%        |
| 2         | 5.595       | 550           | 554         | 583          | rBV      | 1497576        | 2477519       | 46.91%          | 3.321%        |
| 3         | 6.601       | 721           | 725         | 738          | rBV      | 1632154        | 2498254       | 47.30%          | 3.349%        |
| 4         | 6.736       | 744           | 748         | 755          | rBV      | 2369617        | 2562390       | 48.51%          | 3.435%        |
| 5         | 6.784       | 755           | 756         | 764          | rVB      | 114890         | 107661        | 2.04%           | 0.144%        |
| 6         | 6.966       | 783           | 787         | 797          | rBV      | 1316412        | 1515959       | 28.70%          | 2.032%        |
| 7         | 7.119       | 809           | 813         | 826          | rBV      | 1910633        | 1920397       | 36.36%          | 2.574%        |
| 8         | 7.531       | 879           | 883         | 901          | rBV      | 1236152        | 1768962       | 33.49%          | 2.371%        |
| 9         | 8.213       | 996           | 999         | 1001         | rBV      | 147889         | 122430        | 2.32%           | 0.164%        |
| 10        | 8.248       | 1001          | 1005        | 1011         | rVV      | 2009737        | 1995467       | 37.78%          | 2.675%        |
| 11        | 8.289       | 1011          | 1012        | 1016         | rVB      | 136428         | 85501         | 1.62%           | 0.115%        |
| 12        | 8.530       | 1049          | 1053        | 1057         | rBV4     | 84467          | 119310        | 2.26%           | 0.160%        |
| 13        | 8.648       | 1071          | 1073        | 1076         | rVB      | 159840         | 123153        | 2.33%           | 0.165%        |
| 14        | 8.748       | 1085          | 1090        | 1092         | rBV2     | 76684          | 89317         | 1.69%           | 0.120%        |
| 15        | 8.819       | 1097          | 1102        | 1107         | rBV6     | 61969          | 123235        | 2.33%           | 0.165%        |
| 16        | 8.907       | 1115          | 1117        | 1123         | rVB3     | 54814          | 75049         | 1.42%           | 0.101%        |
| 17        | 8.960       | 1123          | 1126        | 1130         | rBV      | 178056         | 190242        | 3.60%           | 0.255%        |
| 18        | 9.066       | 1141          | 1144        | 1148         | rBV2     | 189756         | 209849        | 3.97%           | 0.281%        |
| 19        | 9.148       | 1155          | 1158        | 1161         | rVB3     | 91418          | 104184        | 1.97%           | 0.140%        |
| 20        | 9.183       | 1161          | 1164        | 1167         | rBV3     | 105915         | 110125        | 2.08%           | 0.148%        |
| 21        | 9.254       | 1173          | 1176        | 1178         | rBV      | 269834         | 217866        | 4.12%           | 0.292%        |
| 22        | 9.319       | 1183          | 1187        | 1196         | rBV      | 2984611        | 2867769       | 54.29%          | 3.844%        |
| 23        | 9.395       | 1196          | 1200        | 1202         | rVV2     | 153479         | 173758        | 3.29%           | 0.233%        |
| 24        | 9.430       | 1203          | 1206        | 1208         | rVV2     | 115173         | 131435        | 2.49%           | 0.176%        |
| 25        | 9.466       | 1210          | 1212        | 1215         | rVB3     | 107909         | 101598        | 1.92%           | 0.136%        |
| 26        | 9.589       | 1228          | 1233        | 1237         | rBV5     | 134650         | 249714        | 4.73%           | 0.335%        |
| 27        | 9.660       | 1237          | 1245        | 1248         | rBV3     | 263806         | 468299        | 8.87%           | 0.628%        |
| 28        | 9.707       | 1248          | 1253        | 1257         | rVV4     | 824244         | 928816        | 17.59%          | 1.245%        |
| 29        | 9.777       | 1261          | 1265        | 1267         | rBV3     | 102945         | 130810        | 2.48%           | 0.175%        |
| 30        | 9.866       | 1277          | 1280        | 1282         | rBV3     | 126558         | 121282        | 2.30%           | 0.163%        |
| 31        | 9.960       | 1293          | 1296        | 1298         | rBV4     | 124075         | 149858        | 2.84%           | 0.201%        |
| 32        | 9.983       | 1298          | 1300        | 1301         | rVV      | 184655         | 154739        | 2.93%           | 0.207%        |
| 33        | 10.007      | 1301          | 1304        | 1307         | rVV2     | 2226721        | 2075560       | 39.30%          | 2.782%        |
| 34        | 10.036      | 1307          | 1309        | 1317         | rVB      | 402699         | 593440        | 11.24%          | 0.796%        |

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Instrument :  
 BNA\_F  
 ClientSampleId :  
 DW-5

Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF072018.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 10.101 | 1317 | 1320 | 1325 | rBV3 | 191751  | 260313  | 4.93%  | 0.349% |
| 36 | 10.148 | 1325 | 1328 | 1331 | rBV3 | 130294  | 188679  | 3.57%  | 0.253% |
| 37 | 10.177 | 1331 | 1333 | 1335 | rVB2 | 228577  | 167986  | 3.18%  | 0.225% |
| 38 | 10.207 | 1335 | 1338 | 1341 | rBV2 | 335908  | 376622  | 7.13%  | 0.505% |
| 39 | 10.242 | 1341 | 1344 | 1348 | rVB3 | 254072  | 336471  | 6.37%  | 0.451% |
| 40 | 10.319 | 1354 | 1357 | 1360 | rBV3 | 220713  | 271874  | 5.15%  | 0.364% |
| 41 | 10.348 | 1360 | 1362 | 1368 | rVB3 | 193499  | 299507  | 5.67%  | 0.401% |
| 42 | 10.413 | 1369 | 1373 | 1375 | rVV4 | 193684  | 240051  | 4.54%  | 0.322% |
| 43 | 10.448 | 1377 | 1379 | 1382 | rVV  | 182389  | 179577  | 3.40%  | 0.241% |
| 44 | 10.477 | 1382 | 1384 | 1387 | rVV3 | 109238  | 124100  | 2.35%  | 0.166% |
| 45 | 10.519 | 1389 | 1391 | 1394 | rVV  | 83998   | 113256  | 2.14%  | 0.152% |
| 46 | 10.554 | 1394 | 1397 | 1404 | rVB2 | 427958  | 648635  | 12.28% | 0.870% |
| 47 | 10.636 | 1407 | 1411 | 1414 | rBV  | 1240946 | 1321841 | 25.03% | 1.772% |
| 48 | 10.666 | 1414 | 1416 | 1418 | rVV3 | 126688  | 109690  | 2.08%  | 0.147% |
| 49 | 10.695 | 1418 | 1421 | 1423 | rVV3 | 118460  | 107426  | 2.03%  | 0.144% |
| 50 | 10.760 | 1429 | 1432 | 1436 | rVB4 | 225669  | 217167  | 4.11%  | 0.291% |
| 51 | 10.801 | 1436 | 1439 | 1442 | rBV  | 1525896 | 1576202 | 29.84% | 2.113% |
| 52 | 10.907 | 1453 | 1457 | 1465 | rBV2 | 2712810 | 3454858 | 65.41% | 4.631% |
| 53 | 10.971 | 1465 | 1468 | 1470 | rVV  | 812046  | 710175  | 13.45% | 0.952% |
| 54 | 11.001 | 1470 | 1473 | 1477 | rVV2 | 516605  | 743518  | 14.08% | 0.997% |
| 55 | 11.036 | 1477 | 1479 | 1482 | rVV  | 707989  | 655512  | 12.41% | 0.879% |
| 56 | 11.066 | 1482 | 1484 | 1485 | rVV  | 369346  | 286258  | 5.42%  | 0.384% |
| 57 | 11.089 | 1485 | 1488 | 1489 | rVV2 | 287251  | 311799  | 5.90%  | 0.418% |
| 58 | 11.107 | 1489 | 1491 | 1495 | rVV2 | 449421  | 650297  | 12.31% | 0.872% |
| 59 | 11.154 | 1495 | 1499 | 1502 | rVB4 | 474489  | 642857  | 12.17% | 0.862% |
| 60 | 11.189 | 1502 | 1505 | 1507 | rBV  | 805344  | 641498  | 12.15% | 0.860% |
| 61 | 11.230 | 1507 | 1512 | 1515 | rVV3 | 462409  | 600781  | 11.37% | 0.805% |
| 62 | 11.371 | 1533 | 1536 | 1539 | rBV  | 1964918 | 1875117 | 35.50% | 2.514% |
| 63 | 11.507 | 1555 | 1559 | 1560 | rBV  | 1584351 | 1633302 | 30.92% | 2.189% |
| 64 | 11.530 | 1560 | 1563 | 1567 | rVV  | 3406264 | 3220944 | 60.98% | 4.318% |
| 65 | 11.583 | 1569 | 1572 | 1575 | rVV  | 305609  | 354727  | 6.72%  | 0.476% |
| 66 | 11.613 | 1575 | 1577 | 1581 | rVV2 | 373557  | 409415  | 7.75%  | 0.549% |
| 67 | 11.648 | 1581 | 1583 | 1588 | rVB  | 619441  | 599125  | 11.34% | 0.803% |
| 68 | 11.724 | 1593 | 1596 | 1597 | rBV  | 692349  | 650159  | 12.31% | 0.872% |
| 69 | 12.013 | 1641 | 1645 | 1647 | rBV2 | 933856  | 1211030 | 22.93% | 1.623% |
| 70 | 12.118 | 1660 | 1663 | 1666 | rBV2 | 718325  | 766502  | 14.51% | 1.028% |
| 71 | 12.330 | 1697 | 1699 | 1701 | rBV  | 317315  | 236543  | 4.48%  | 0.317% |

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Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DW-5

Integration Parameters: rteint.p  
Integrator: RTE  
Smoothing : ON Filtering: 5  
Sampling : 1 Min Area: 3 % of largest Peak  
Start Thrs: 0.2 Max Peaks: 100  
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF072018.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 72 | 12.730 | 1762 | 1767 | 1769 | rBV  | 4862114 | 5281835 | 100.00% | 7.080% |
| 73 | 12.754 | 1769 | 1771 | 1774 | rVB  | 2174362 | 1971672 | 37.33%  | 2.643% |
| 74 | 12.801 | 1777 | 1779 | 1786 | rVV2 | 815309  | 1037928 | 19.65%  | 1.391% |
| 75 | 12.960 | 1800 | 1806 | 1811 | rBV2 | 3645134 | 4576344 | 86.64%  | 6.135% |
| 76 | 13.060 | 1820 | 1823 | 1825 | rBV2 | 625977  | 807702  | 15.29%  | 1.083% |
| 77 | 13.089 | 1825 | 1828 | 1835 | rVB  | 1904027 | 2117427 | 40.09%  | 2.838% |
| 78 | 13.601 | 1913 | 1915 | 1919 | rVB  | 964571  | 892965  | 16.91%  | 1.197% |
| 79 | 14.112 | 1999 | 2002 | 2005 | rBV  | 2095732 | 2089779 | 39.57%  | 2.801% |
| 80 | 14.160 | 2006 | 2010 | 2013 | rVV2 | 1550468 | 2881795 | 54.56%  | 3.863% |
| 81 | 14.189 | 2013 | 2015 | 2019 | rVB  | 2003654 | 1798217 | 34.05%  | 2.411% |

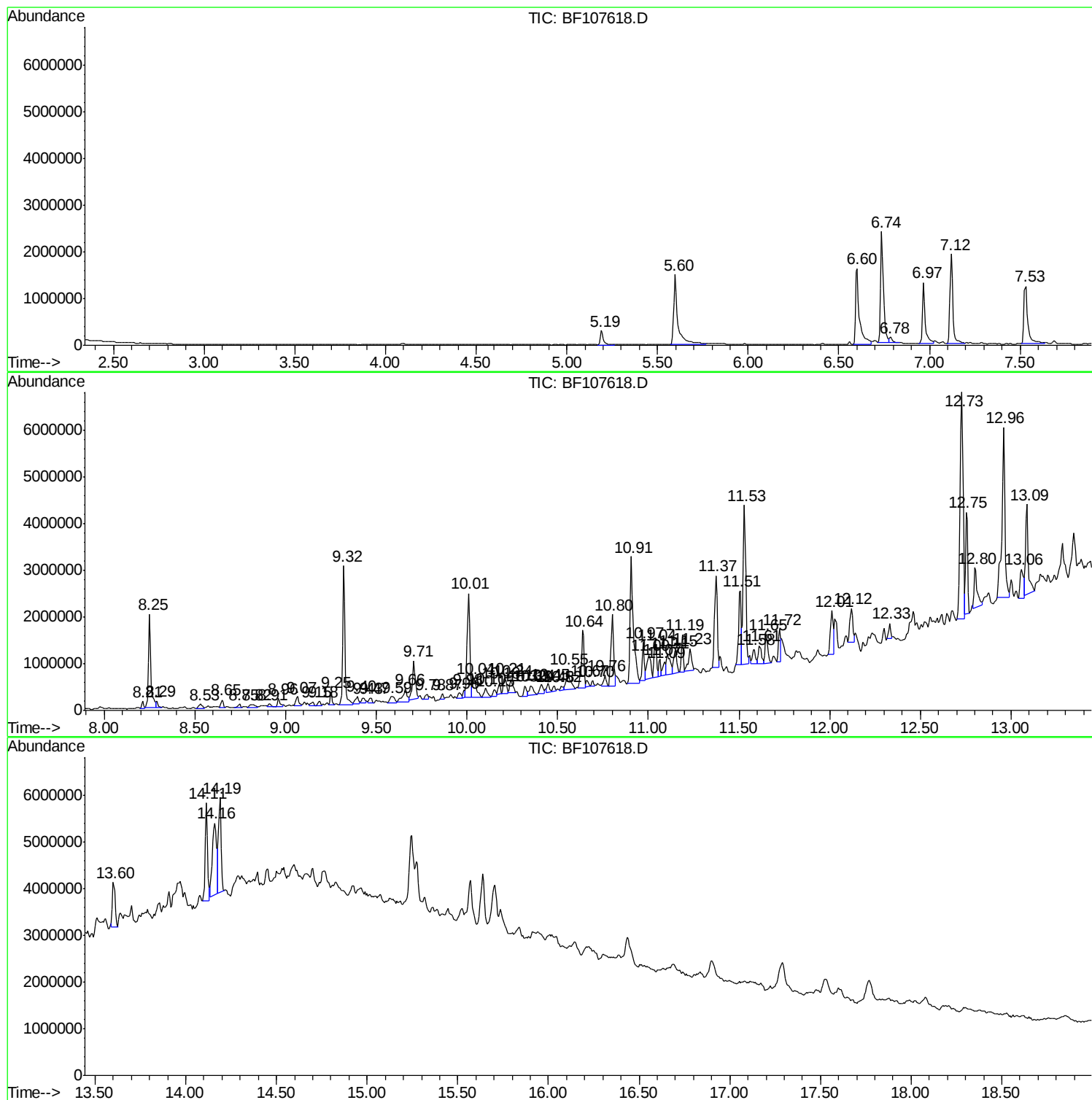
Sum of corrected areas: 74597188

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\  
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Sample : J4096-03 2X  
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ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
DW-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\  
Data File : BF107618.D  
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Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DW-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

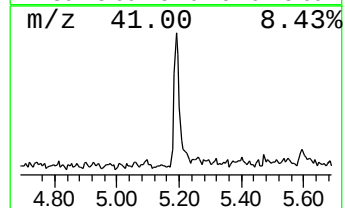
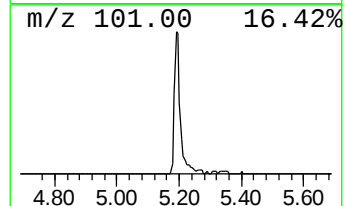
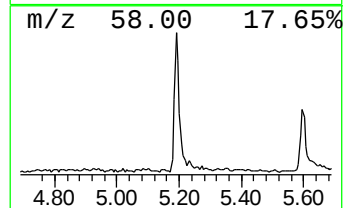
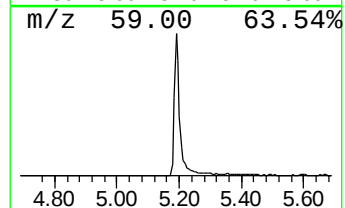
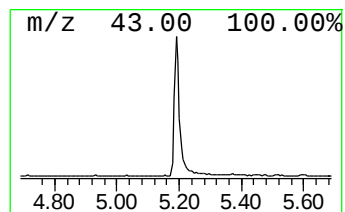
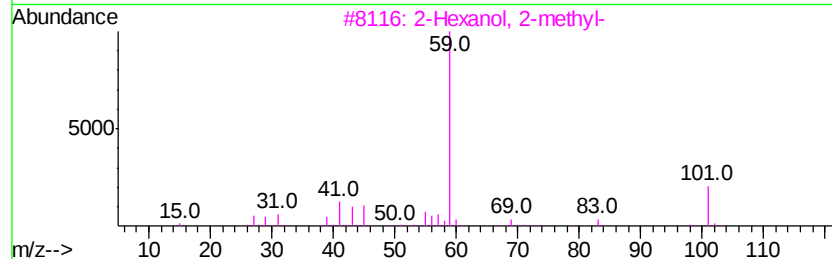
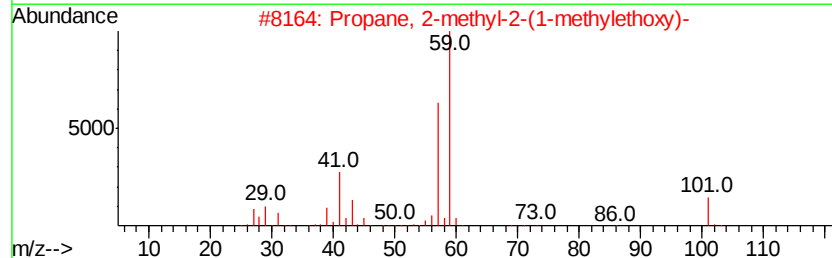
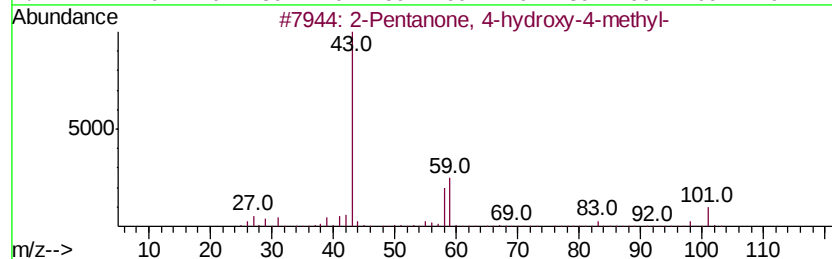
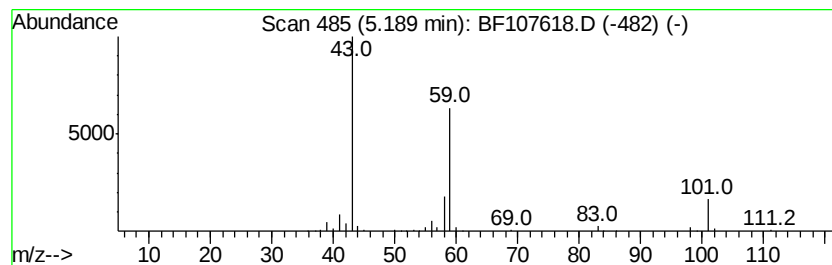
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 12

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 5.19 | 5.06 ng | 383762 | 1,4-Dichlorobenzene-d4 | 6.97 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2 | 000123-42-2 | 59   |
| 2    |    | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O  | 017348-59-3 | 42   |
| 3    |    | 2-Hexanol, 2-methyl-                | 116 | C7H16O  | 000625-23-0 | 38   |
| 4    |    | 3-Octanol                           | 130 | C8H18O  | 000589-98-0 | 33   |
| 5    |    | 3-Hexanol, 4-methyl-                | 116 | C7H16O  | 000615-29-2 | 33   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

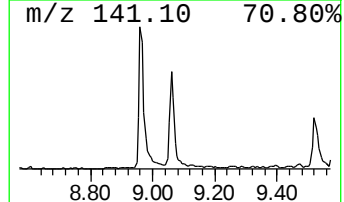
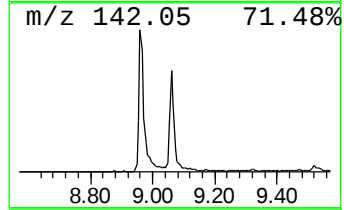
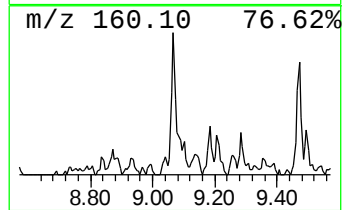
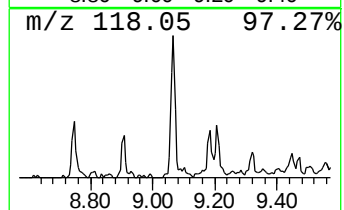
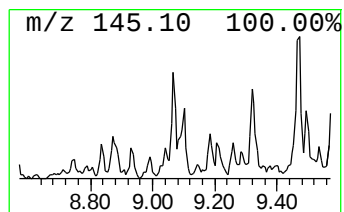
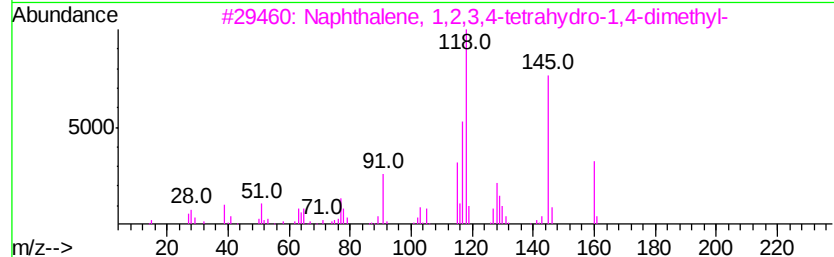
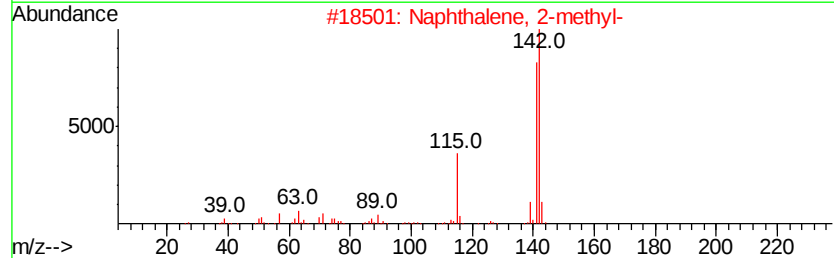
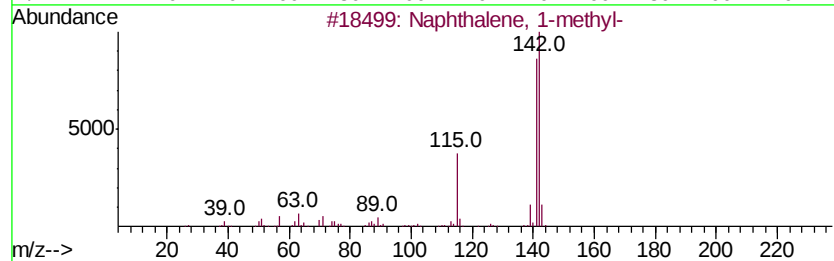
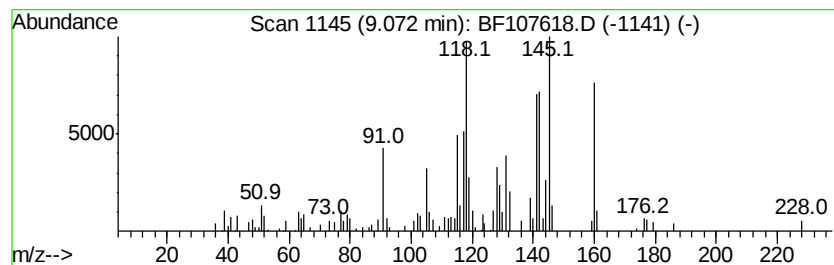
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Naphthalene, 1-methyl- Concentration Rank 18

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 9.07 | 2.10 ng | 209849 | Naphthalene-d8   | 8.25 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 90   |
| 2    |    | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 90   |
| 3    |    | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16  | 004175-54-6 | 84   |
| 4    |    | Benzocycloheptatriene               | 142 | C11H10  | 000264-09-5 | 70   |
| 5    |    | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10  | 004453-90-1 | 60   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

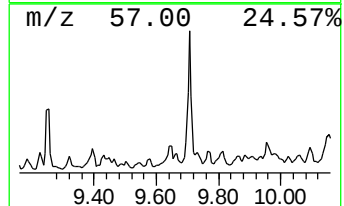
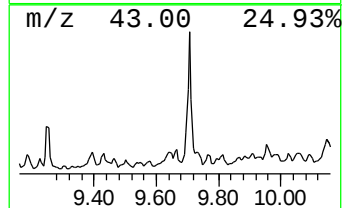
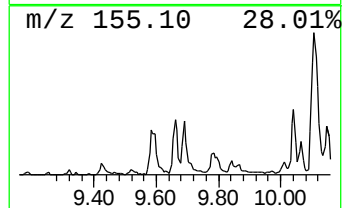
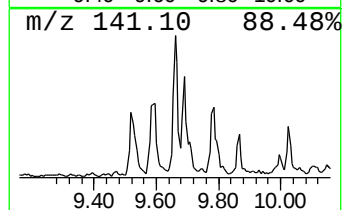
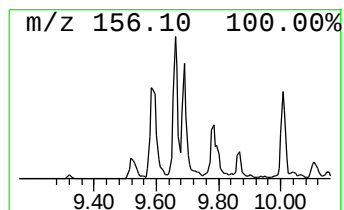
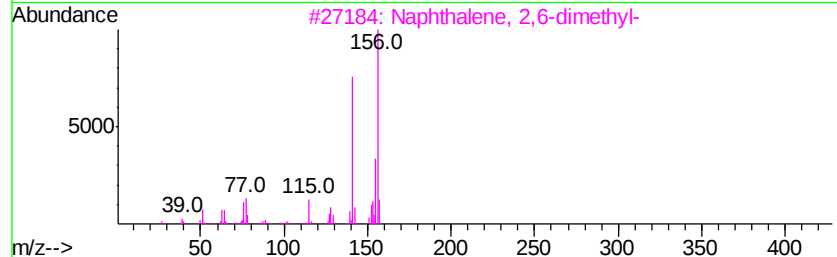
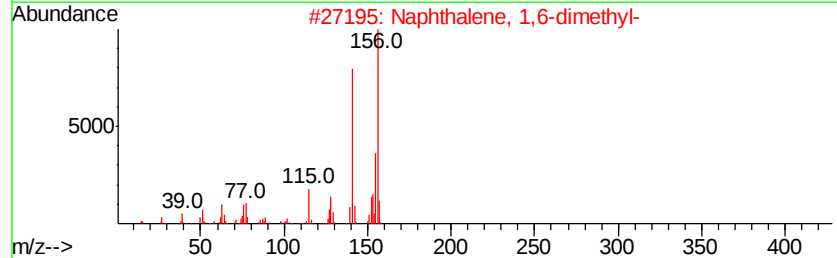
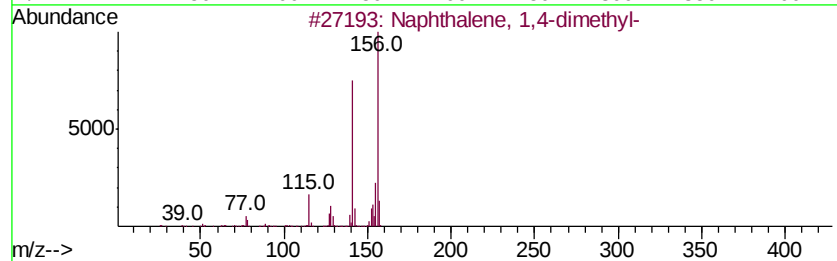
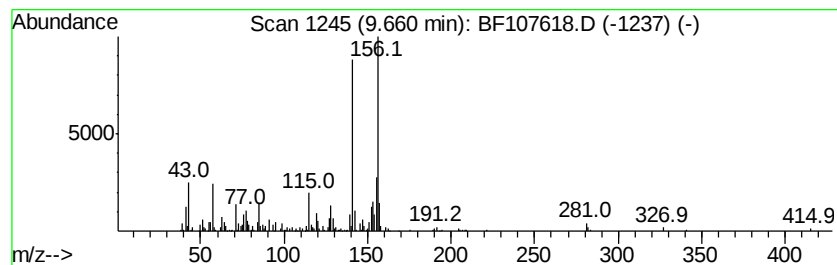
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Naphthalene, 1,4-dimethyl- Concentration Rank 13

| R.T. | EstConc | Area   | Relative to ISTD | R.T.  |
|------|---------|--------|------------------|-------|
| 9.66 | 4.51 ng | 468299 | Acenaphthene-d10 | 10.01 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 97   |
| 2    |    | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 97   |
| 3    |    | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 97   |
| 4    |    | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 96   |
| 5    |    | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 96   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\  
Data File : BF107618.D  
Acq On : 24 Jul 2018 14:57  
Operator : JU/SJ  
Sample : J4096-03 2X  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DW-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

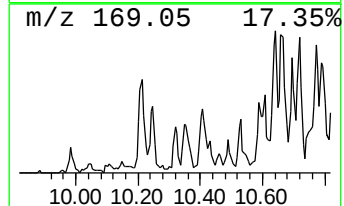
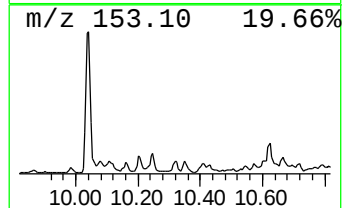
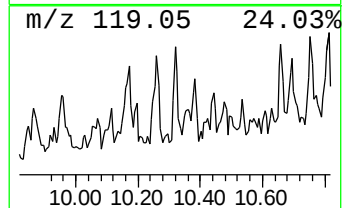
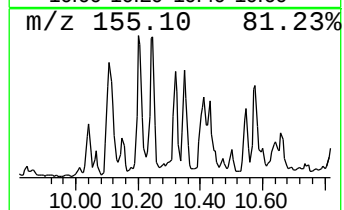
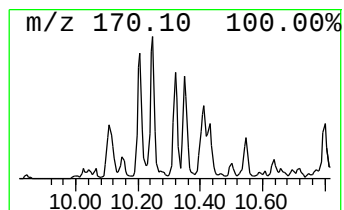
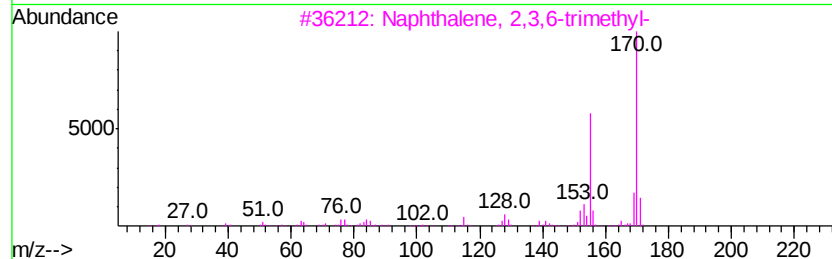
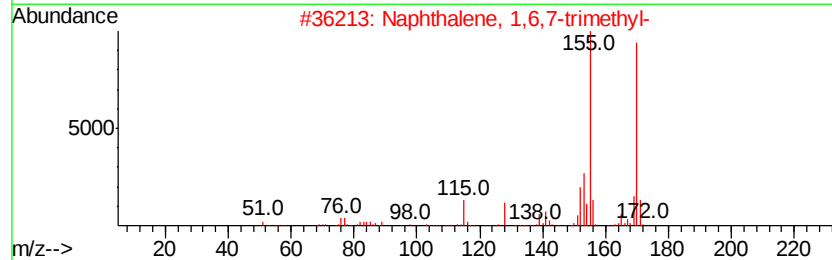
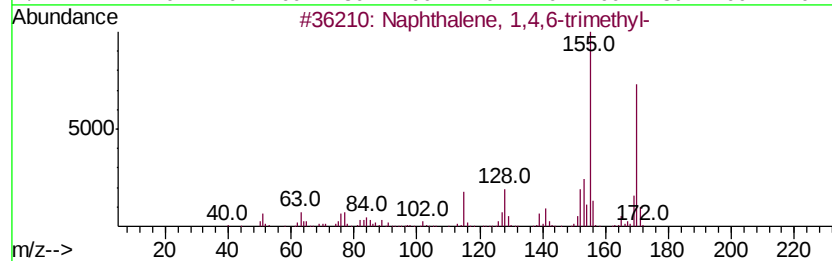
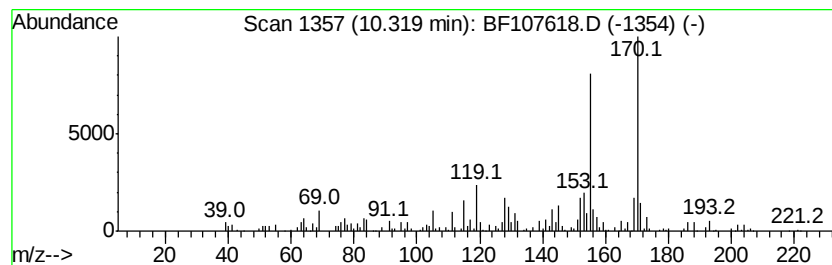
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Naphthalene, 1,4,6-trimethyl- Concentration Rank 17

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 10.32 | 2.62 ng | 271874 | Acenaphthene-d10 | 10.01 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------------------|-----|---------|--------------|------|
| 1    | 5  | Naphthalene, 1,4,6-trimethyl-       | 170 | C13H14  | 002131-42-2  | 97   |
| 2    |    | Naphthalene, 1,6,7-trimethyl-       | 170 | C13H14  | 002245-38-7  | 96   |
| 3    |    | Naphthalene, 2,3,6-trimethyl-       | 170 | C13H14  | 000829-26-5  | 96   |
| 4    |    | Naphthalene, 1,4,5-trimethyl-       | 170 | C13H14  | 002131-41-1  | 94   |
| 5    |    | 1-(2,2-Dimethylcyclopropyl)-2-ph... | 170 | C13H14  | 1000294-91-1 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\  
Data File : BF107618.D  
Acq On : 24 Jul 2018 14:57  
Operator : JU/SJ  
Sample : J4096-03 2X  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DW-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

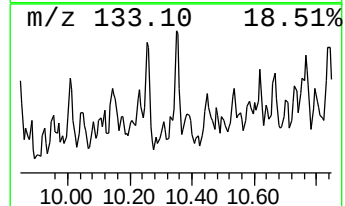
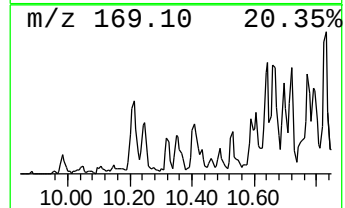
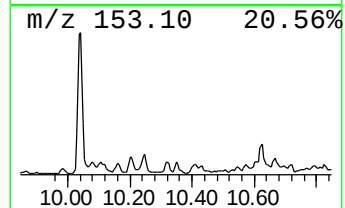
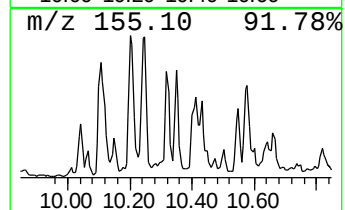
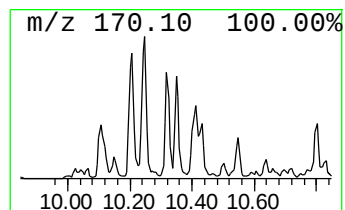
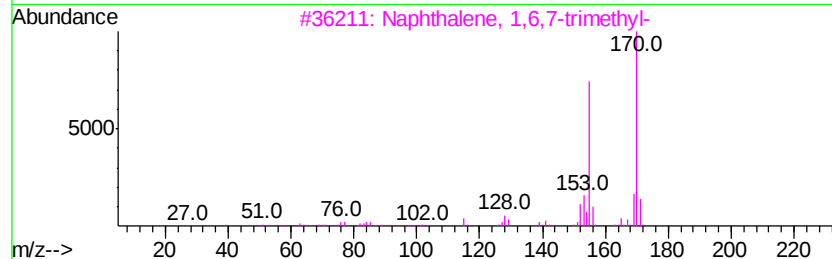
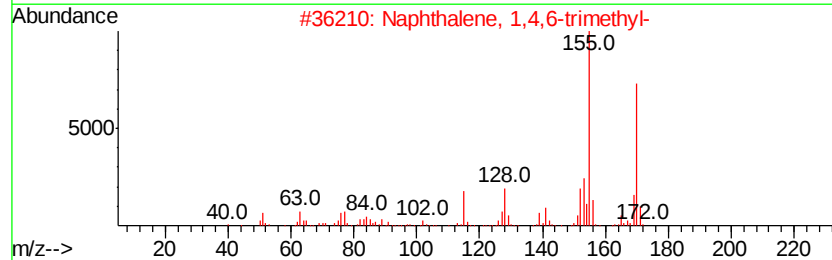
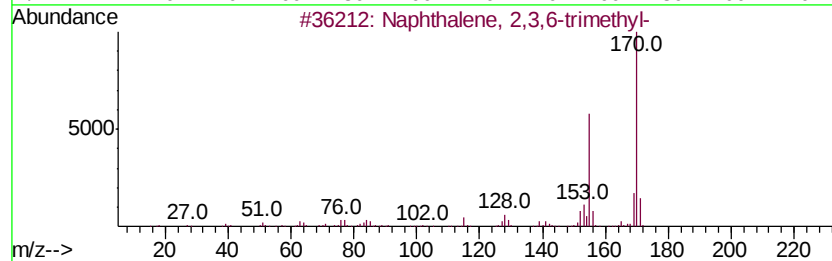
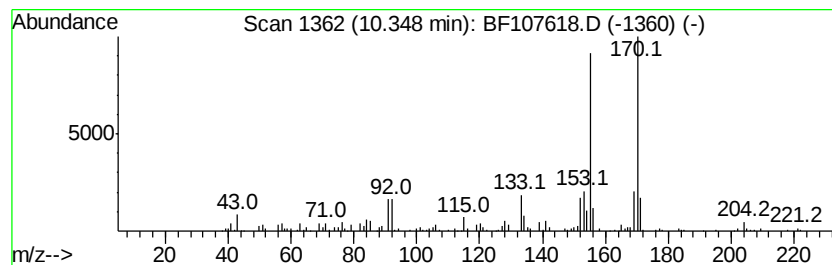
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Naphthalene, 2,3,6-trimethyl- Concentration Rank 16

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 10.35 | 2.89 ng | 299507 | Acenaphthene-d10 | 10.01 |

| Hit# | of | Tentative ID                    | MW  | MolForm | CAS#         | Qual |
|------|----|---------------------------------|-----|---------|--------------|------|
| 1    | 5  | Naphthalene, 2,3,6-trimethyl-   | 170 | C13H14  | 000829-26-5  | 96   |
| 2    |    | Naphthalene, 1,4,6-trimethyl-   | 170 | C13H14  | 002131-42-2  | 94   |
| 3    |    | Naphthalene, 1,6,7-trimethyl-   | 170 | C13H14  | 002245-38-7  | 94   |
| 4    |    | Naphthalene, 1,4,5-trimethyl-   | 170 | C13H14  | 002131-41-1  | 91   |
| 5    |    | 3-(2-Methyl-propenyl)-1H-indene | 170 | C13H14  | 1000187-78-5 | 80   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\  
Data File : BF107618.D  
Acq On : 24 Jul 2018 14:57  
Operator : JU/SJ  
Sample : J4096-03 2X  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

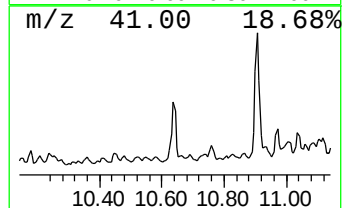
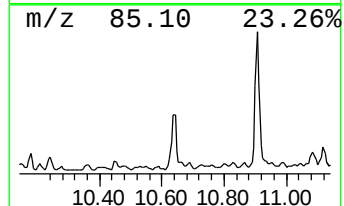
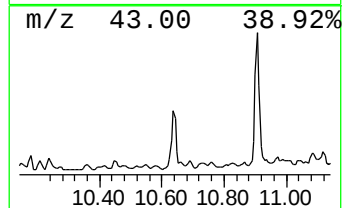
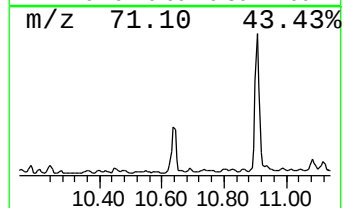
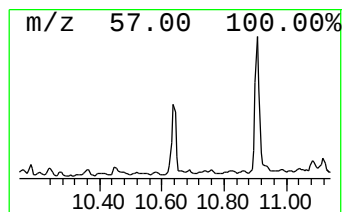
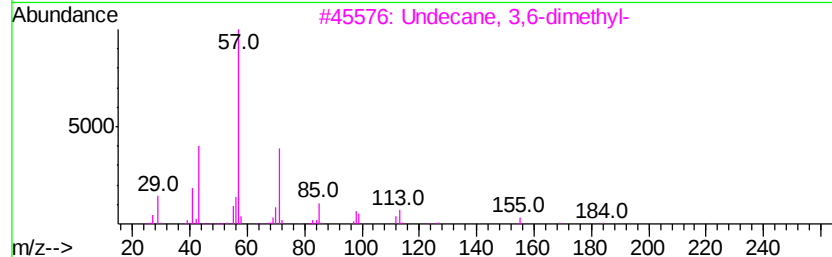
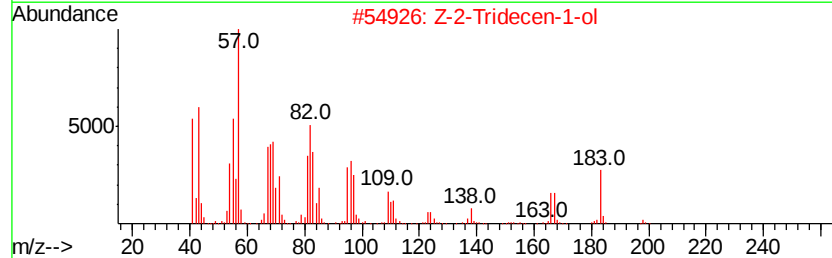
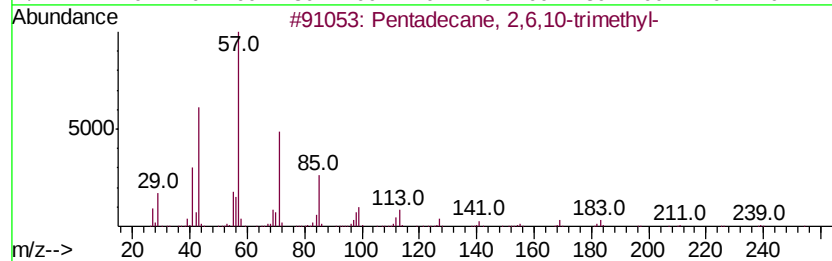
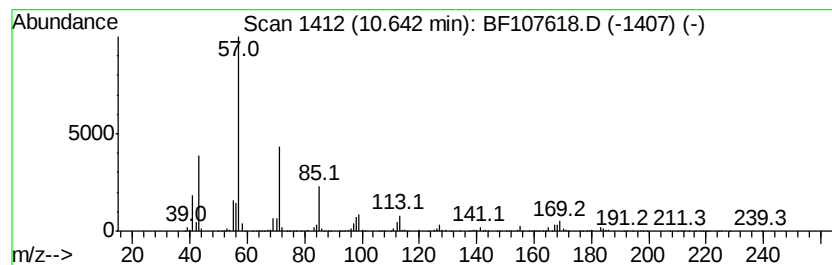
Instrument :  
BNA\_F  
ClientSampleId :  
DW-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Pentadecane, 2,6,10-trimethyl- Concentration Rank 4

| R.T.    | EstConc           | Area              | Relative to ISTD |         | R.T.         |      |
|---------|-------------------|-------------------|------------------|---------|--------------|------|
| 10.64   | 12.74 ng          | 1321840           | Acenaphthene-d10 |         | 10.01        |      |
| Hit# of | 5                 | Tentative ID      | MW               | MolForm | CAS#         | Qual |
| 1       | Pentadecane,      | 2,6,10-trimethyl- | 254              | C18H38  | 003892-00-0  | 90   |
| 2       | Z-2-Tridecen-1-ol |                   | 198              | C13H26O | 1000130-75-8 | 83   |
| 3       | Undecane,         | 3,6-dimethyl-     | 184              | C13H28  | 017301-28-9  | 81   |
| 4       | Tetratriacontane  |                   | 479              | C34H70  | 014167-59-0  | 72   |
| 5       | Undecane,         | 2,5-dimethyl-     | 184              | C13H28  | 017301-22-3  | 70   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\  
Data File : BF107618.D  
Acq On : 24 Jul 2018 14:57  
Operator : JU/SJ  
Sample : J4096-03 2X  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

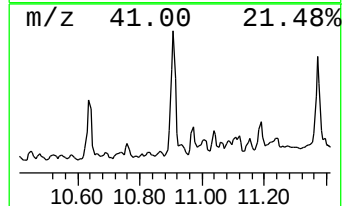
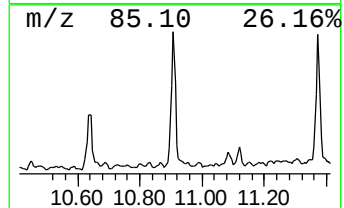
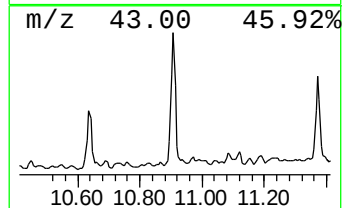
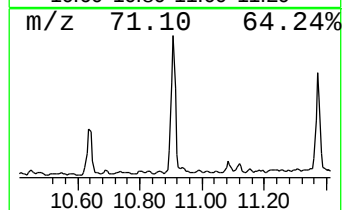
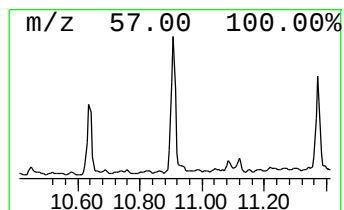
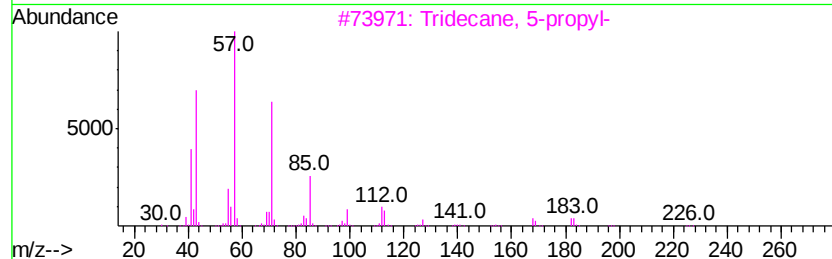
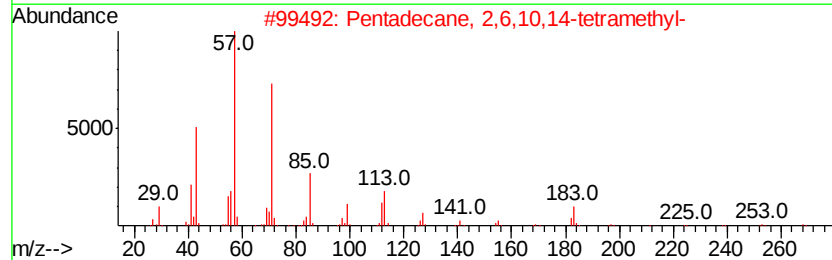
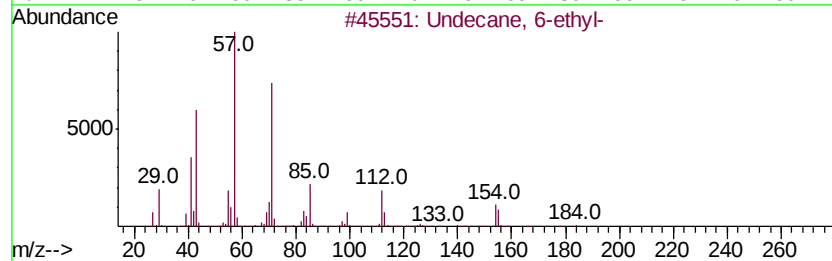
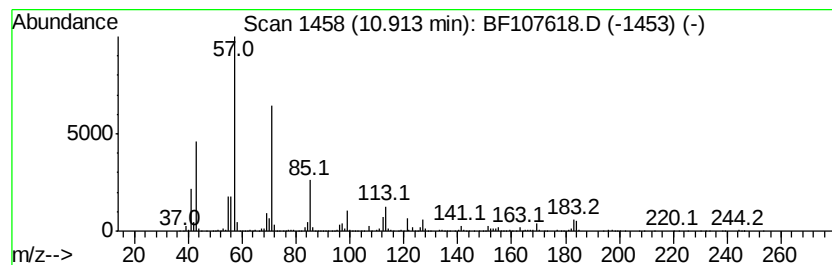
Instrument :  
BNA\_F  
ClientSampleId :  
DW-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Undecane, 6-ethyl- Concentration Rank 1

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.      |
|---------|-------------------------------------|--------------|------------------|-----------|
| 10.91   | 42.31 ng                            | 3454860      | Phenanthrene-d10 | 11.51     |
| Hit# of | 5                                   | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Undecane, 6-ethyl-                  | 184 C13H28   | 017312-60-6      | 91        |
| 2       | Pentadecane, 2,6,10,14-tetramethyl- | 268 C19H40   | 001921-70-6      | 90        |
| 3       | Tridecane, 5-propyl-                | 226 C16H34   | 055045-11-9      | 86        |
| 4       | Dodecane, 2,6,10-trimethyl-         | 212 C15H32   | 003891-98-3      | 78        |
| 5       | Undecane, 2,6-dimethyl-             | 184 C13H28   | 017301-23-4      | 74        |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\  
Data File : BF107618.D  
Acq On : 24 Jul 2018 14:57  
Operator : JU/SJ  
Sample : J4096-03 2X  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

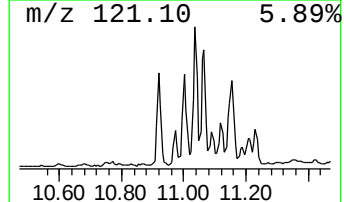
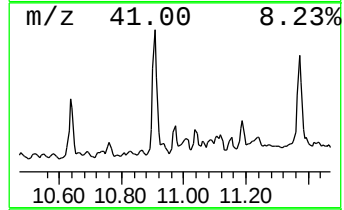
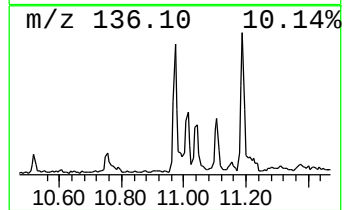
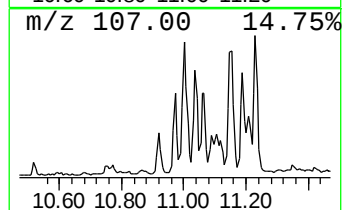
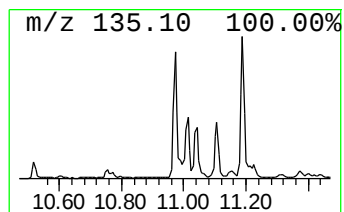
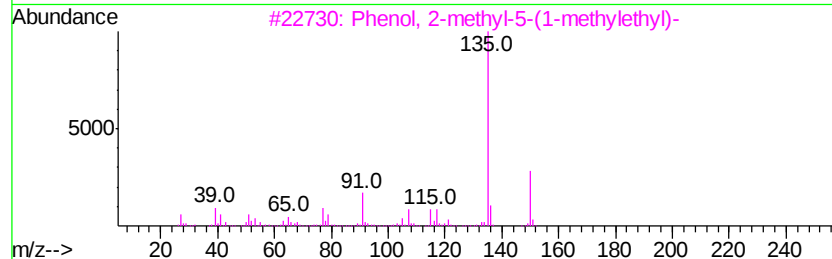
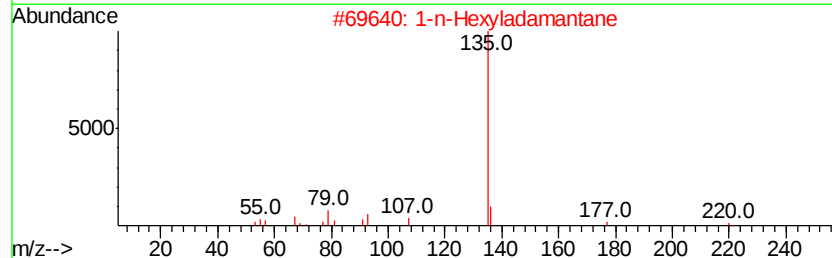
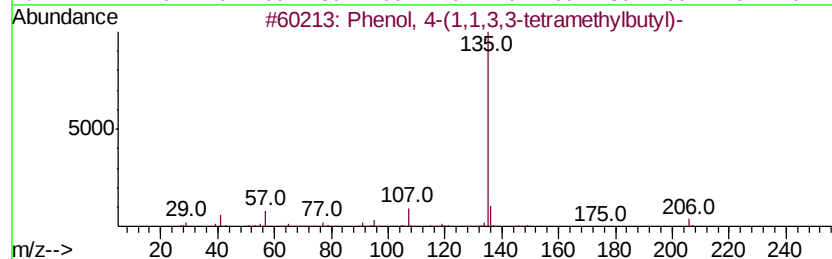
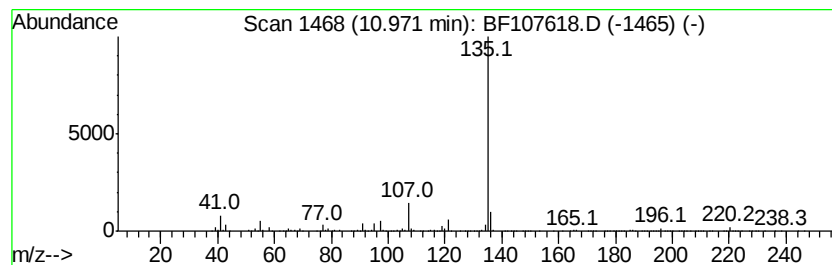
Instrument :  
BNA\_F  
ClientSampleId :  
DW-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Phenol, 4-(1,1,3,3-tetramet... Concentration Rank 8

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 10.97     | 8.70 ng                             | 710175 | Phenanthrene-d10 | 11.51       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | Phenol, 4-(1,1,3,3-tetramethylbu... | 206    | C14H22O          | 000140-66-9 | 72   |
| 2         | 1-n-Hexyladamantane                 | 220    | C16H28           | 022458-75-9 | 59   |
| 3         | Phenol, 2-methyl-5-(1-methylethyl)- | 150    | C10H14O          | 000499-75-2 | 56   |
| 4         | 4-tert-Butylphenyl acetate          | 192    | C12H16O2         | 003056-64-2 | 56   |
| 5         | 2H-1,4-Benzoxazine, 3,4-dihydro-    | 135    | C8H9NO           | 005735-53-5 | 50   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\  
Data File : BF107618.D  
Acq On : 24 Jul 2018 14:57  
Operator : JU/SJ  
Sample : J4096-03 2X  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

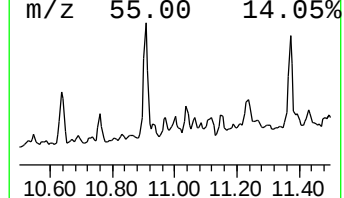
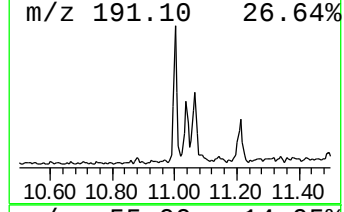
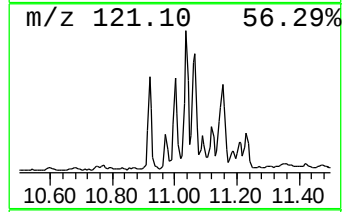
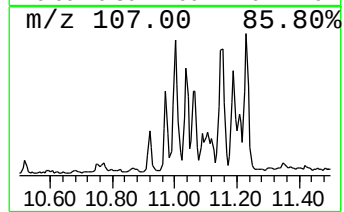
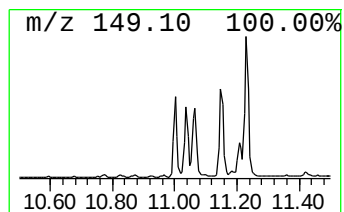
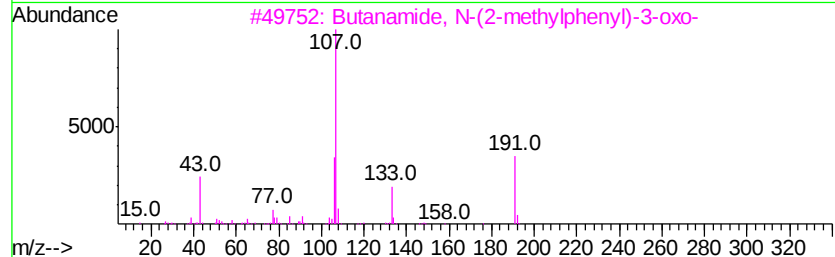
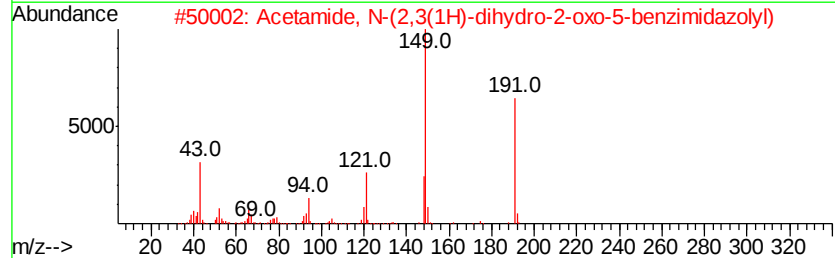
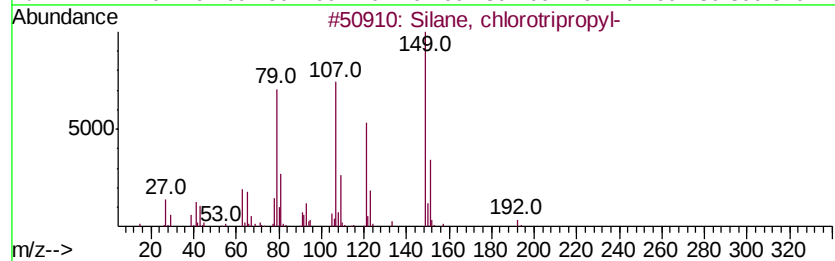
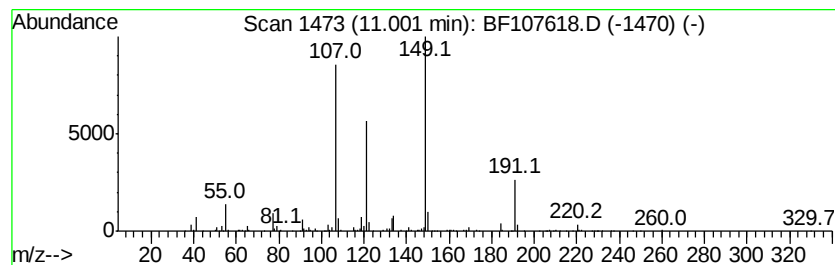
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ClientSampleId :  
DW-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 Silane, chlorotripropyl- Concentration Rank 7

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 11.00     | 9.10 ng                             | 743518 | Phenanthrene-d10 | 11.51       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | Silane, chlorotripropyl-            | 192    | C9H21ClSi        | 000995-25-5 | 72   |
| 2         | Acetamide, N-(2,3(1H)-dihydro-2-... | 191    | C9H9N3O2         | 091085-68-6 | 43   |
| 3         | Butanamide, N-(2-methylphenyl)-3... | 191    | C11H13N02        | 000093-68-5 | 38   |
| 4         | Phenol, 2-methyl-4-(1,1,3,3-tetr... | 220    | C15H24O          | 002219-84-3 | 35   |
| 5         | 3-Ethoxybenzhydrazide               | 180    | C9H12N2O2        | 027830-16-6 | 35   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\  
Data File : BF107618.D  
Acq On : 24 Jul 2018 14:57  
Operator : JU/SJ  
Sample : J4096-03 2X  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

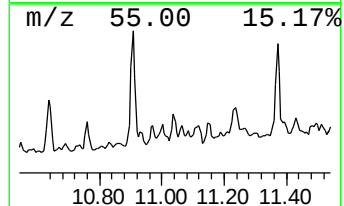
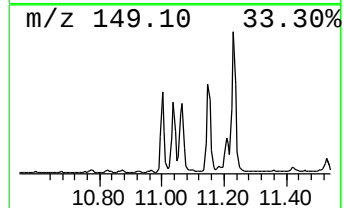
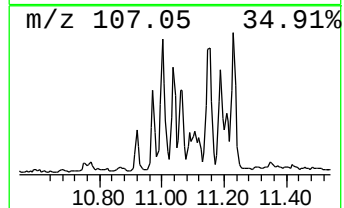
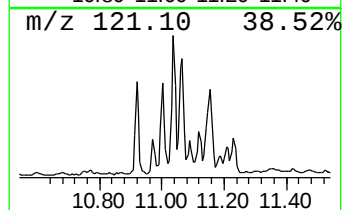
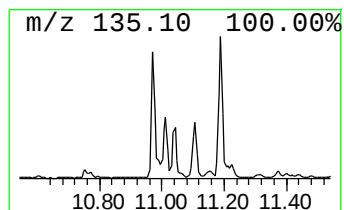
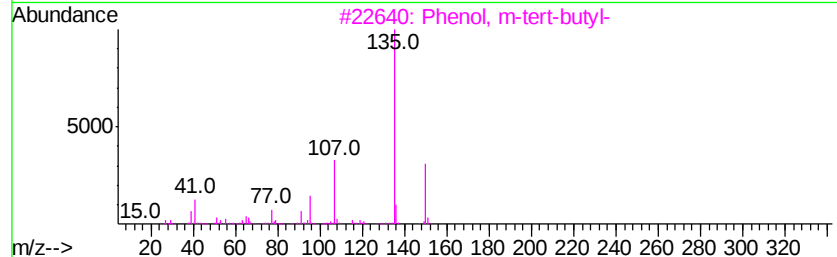
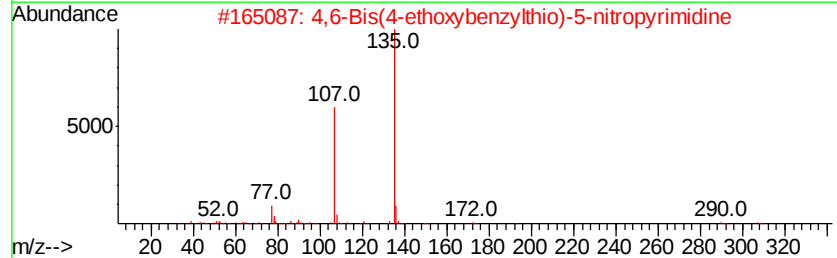
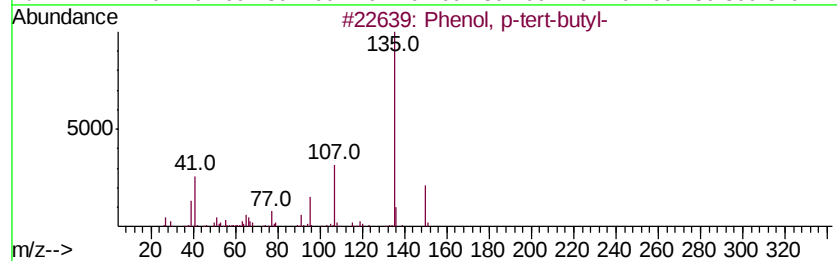
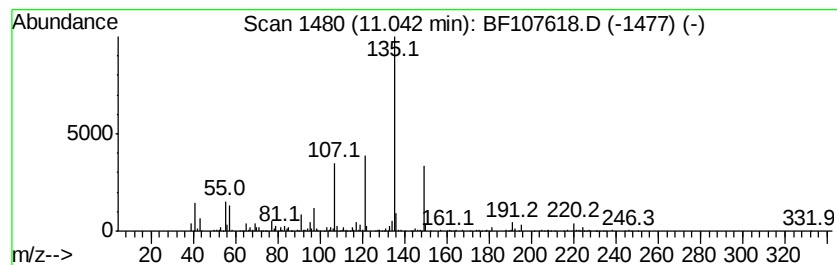
Instrument :  
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ClientSampleId :  
DW-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 11 Phenol, p-tert-butyl- Concentration Rank 9

| R.T.    | EstConc                             | Area             | Relative to ISTD | R.T.      |
|---------|-------------------------------------|------------------|------------------|-----------|
| 11.04   | 8.03 ng                             | 655512           | Phenanthrene-d10 | 11.51     |
| Hit# of | 5                                   | Tentative ID     | MW MolForm       | CAS# Qual |
| 1       | Phenol, p-tert-butyl-               | 150 C10H14O      | 000098-54-4      | 60        |
| 2       | 4,6-Bis(4-ethoxybenzylthio)-5-ni... | 457 C22H23N3O4S2 | 325957-76-4      | 50        |
| 3       | Phenol, m-tert-butyl-               | 150 C10H14O      | 000585-34-2      | 50        |
| 4       | Phenol, 4-(1,1-dimethylpropyl)-     | 164 C11H16O      | 000080-46-6      | 50        |
| 5       | Thymol                              | 150 C10H14O      | 000089-83-8      | 38        |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\  
Data File : BF107618.D  
Acq On : 24 Jul 2018 14:57  
Operator : JU/SJ  
Sample : J4096-03 2X  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

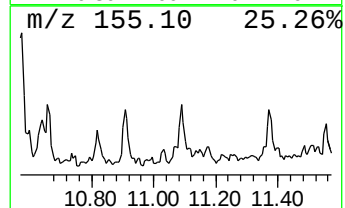
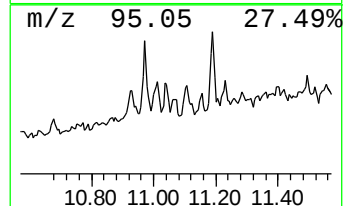
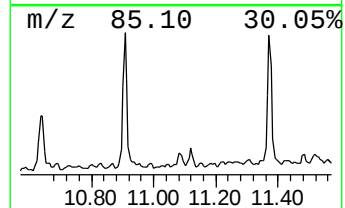
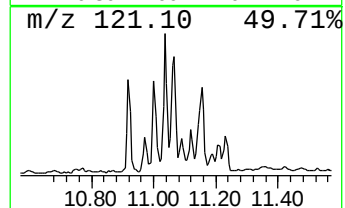
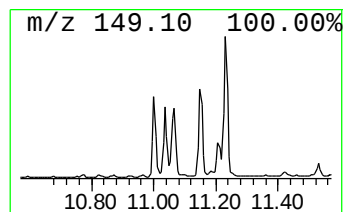
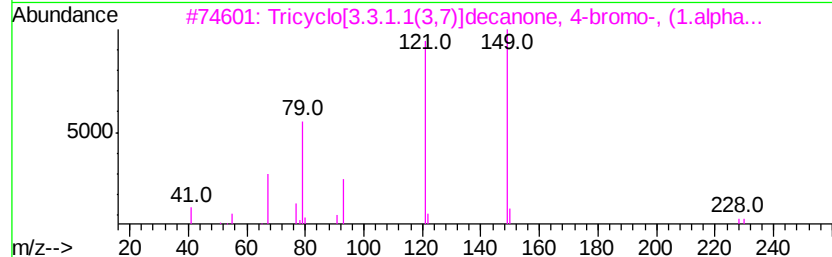
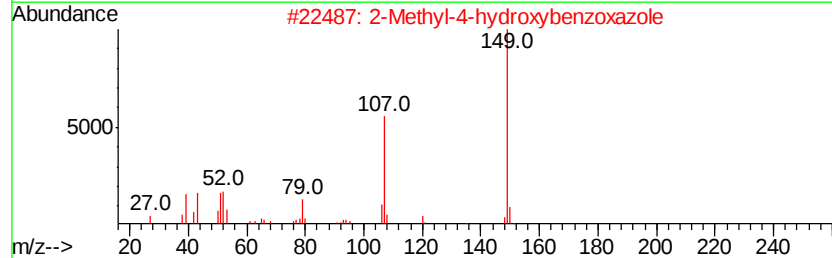
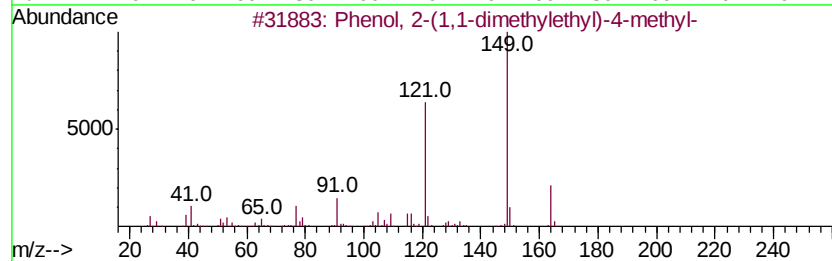
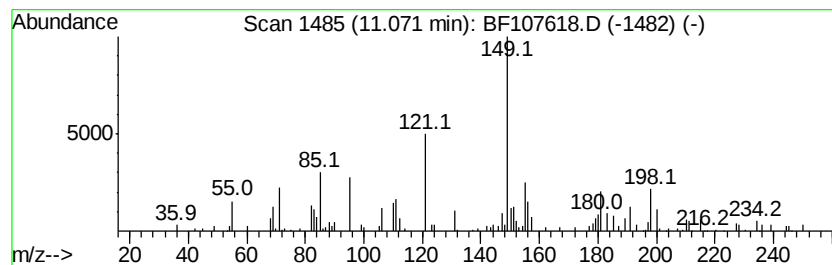
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ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 12 Phenol, 2-(1,1-dimethylethy... Concentration Rank 14

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 11.07     | 3.51 ng                             | 286258 | Phenanthrene-d10 | 11.51       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | Phenol, 2-(1,1-dimethylethyl)-4-... | 164    | C11H16O          | 002409-55-4 | 53   |
| 2         | 2-Methyl-4-hydroxybenzoxazole       | 149    | C8H7NO2          | 051110-60-2 | 37   |
| 3         | Tricyclo[3.3.1.1(3,7)]decanone, ... | 228    | C10H13BrO        | 032456-48-7 | 36   |
| 4         | Tricyclo[3.3.1.1(3,7)]decanone, ... | 276    | C10H13IO         | 056781-86-3 | 36   |
| 5         | 1,2-Benzenedicarboxylic acid, bi... | 250    | C14H18O4         | 000605-45-8 | 22   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\  
Data File : BF107618.D  
Acq On : 24 Jul 2018 14:57  
Operator : JU/SJ  
Sample : J4096-03 2X  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DW-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

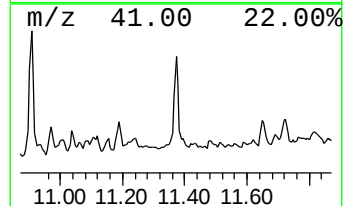
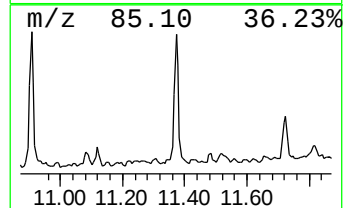
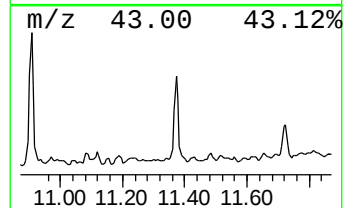
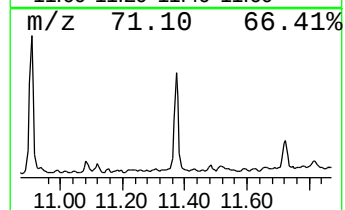
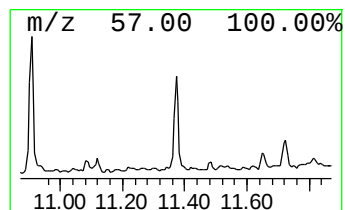
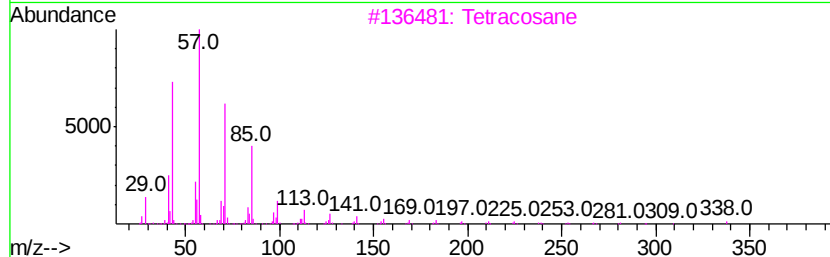
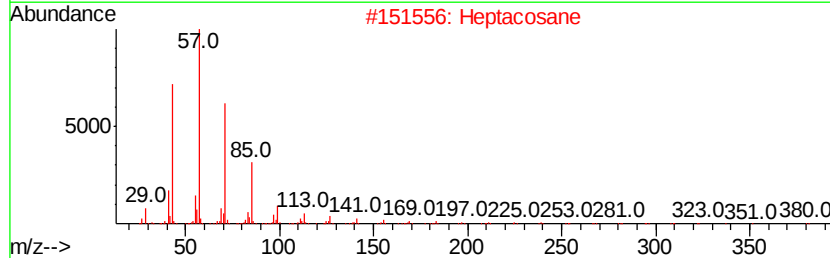
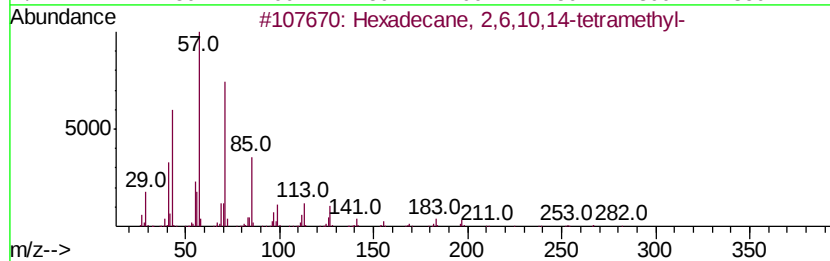
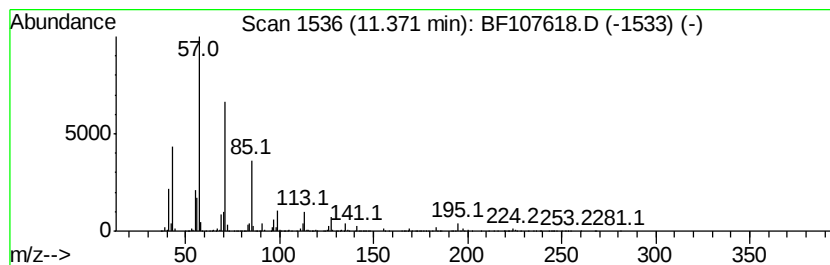
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 13 Hexadecane, 2,6,10,14-tetra... Concentration Rank 2

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 11.37 | 22.96 ng | 1875120 | Phenanthrene-d10 | 11.51 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Hexadecane, 2,6,10,14-tetramethyl-  | 282 | C20H42  | 000638-36-8 | 86   |
| 2    |    | Heptacosane                         | 380 | C27H56  | 000593-49-7 | 80   |
| 3    |    | Tetracosane                         | 338 | C24H50  | 000646-31-1 | 80   |
| 4    |    | Dodecane, 2,7,10-trimethyl-         | 212 | C15H32  | 074645-98-0 | 80   |
| 5    |    | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44  | 054833-48-6 | 72   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\  
Data File : BF107618.D  
Acq On : 24 Jul 2018 14:57  
Operator : JU/SJ  
Sample : J4096-03 2X  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DW-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

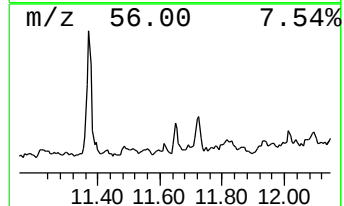
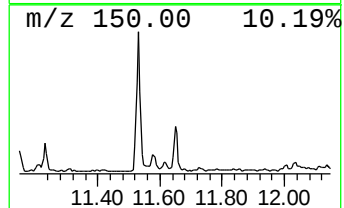
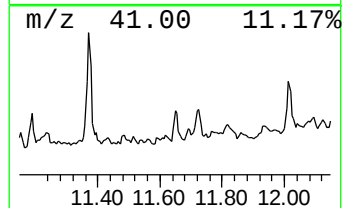
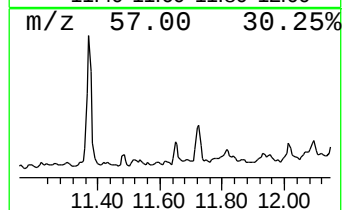
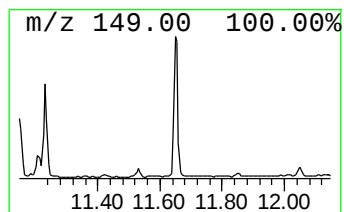
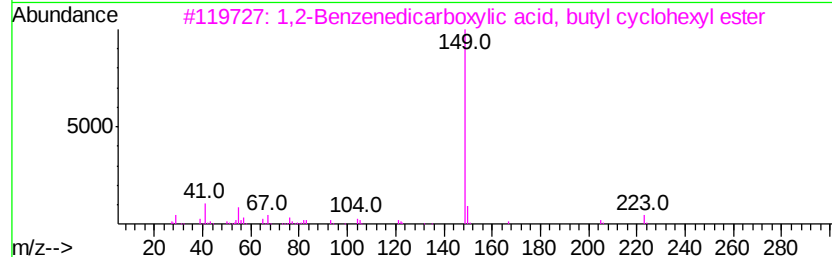
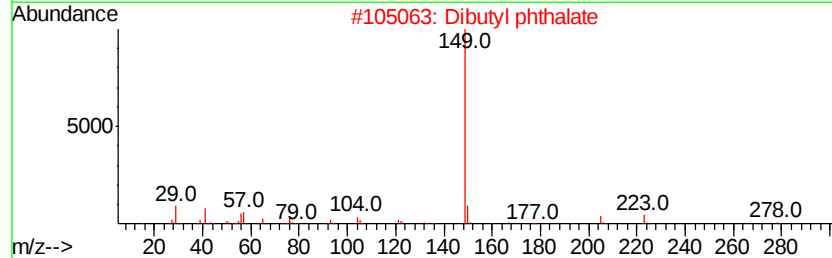
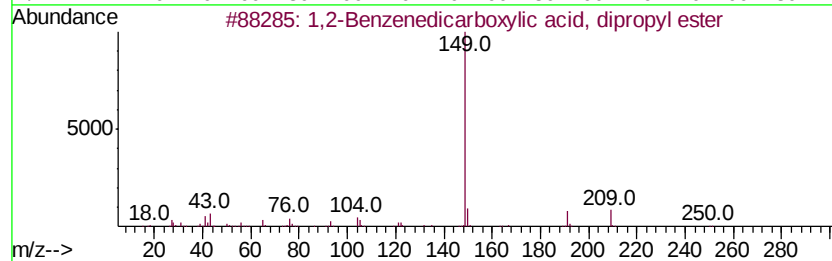
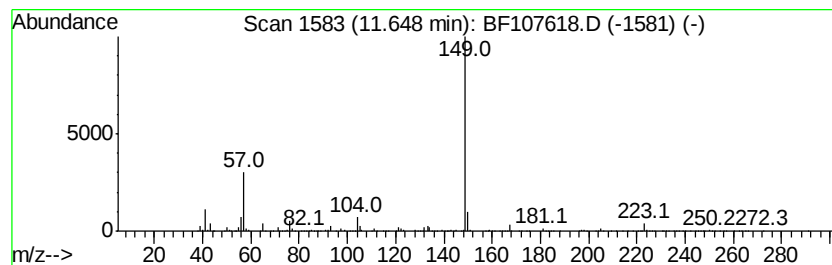
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 14 1,2-Benzenedicarboxylic aci... Concentration Rank 10

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.65 | 7.34 ng | 599125 | Phenanthrene-d10 | 11.51 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 1,2-Benzenedicarboxylic acid, di... | 250 | C14H18O4 | 000131-16-8 | 80   |
| 2    |    |   | Dibutyl phthalate                   | 278 | C16H22O4 | 000084-74-2 | 78   |
| 3    |    |   | 1,2-Benzenedicarboxylic acid, bu... | 304 | C18H24O4 | 000084-64-0 | 78   |
| 4    |    |   | 1,2-Benzenedicarboxylic acid, bi... | 250 | C14H18O4 | 000605-45-8 | 72   |
| 5    |    |   | 1,2-Benzenedicarboxylic acid, bi... | 278 | C16H22O4 | 000084-69-5 | 72   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\  
Data File : BF107618.D  
Acq On : 24 Jul 2018 14:57  
Operator : JU/SJ  
Sample : J4096-03 2X  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DW-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

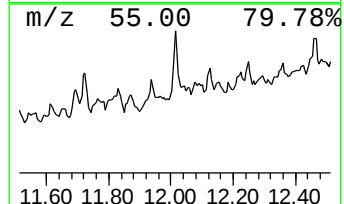
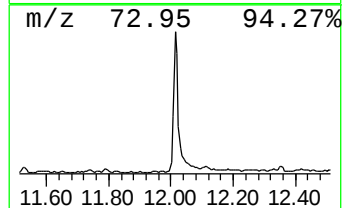
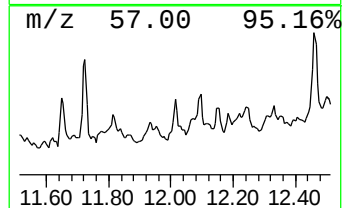
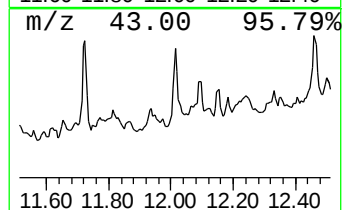
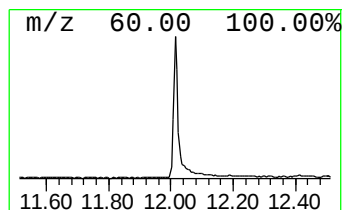
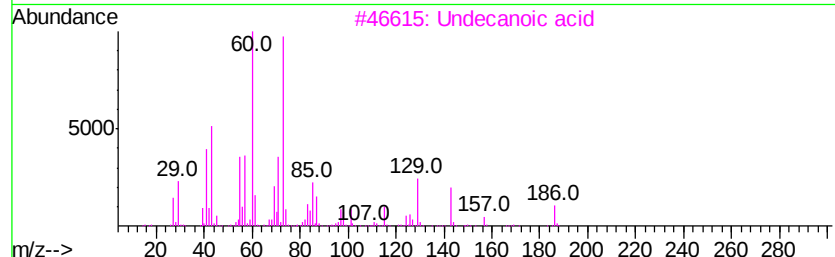
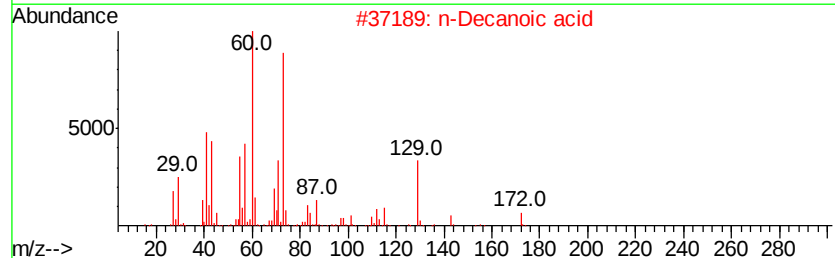
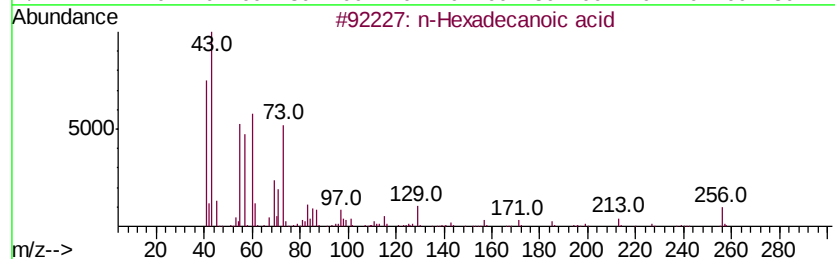
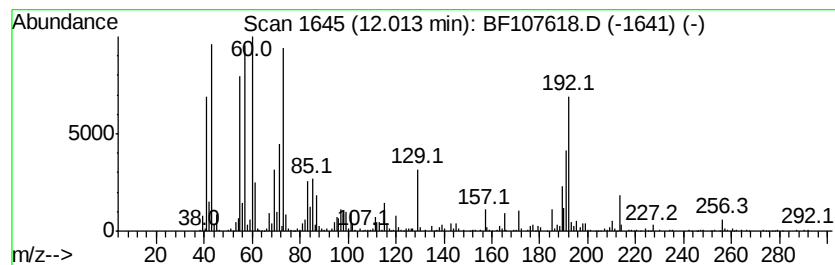
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 15 n-Hexadecanoic acid Concentration Rank 3

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 12.01 | 14.83 ng | 1211030 | Phenanthrene-d10 | 11.51 |

| Hit# | of | Tentative ID          | MW  | MolForm  | CAS#        | Qual |
|------|----|-----------------------|-----|----------|-------------|------|
| 1    | 5  | n-Hexadecanoic acid   | 256 | C16H32O2 | 000057-10-3 | 60   |
| 2    |    | n-Decanoic acid       | 172 | C10H20O2 | 000334-48-5 | 55   |
| 3    |    | Undecanoic acid       | 186 | C11H22O2 | 000112-37-8 | 53   |
| 4    |    | Hexadecane, 1-chloro- | 260 | C16H33Cl | 004860-03-1 | 44   |
| 5    |    | Anthracene, 2-methyl- | 192 | C15H12   | 000613-12-7 | 30   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\  
Data File : BF107618.D  
Acq On : 24 Jul 2018 14:57  
Operator : JU/SJ  
Sample : J4096-03 2X  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DW-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

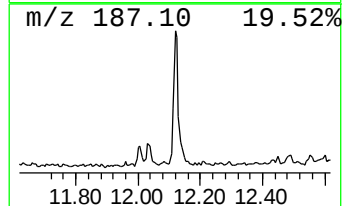
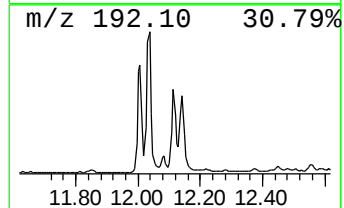
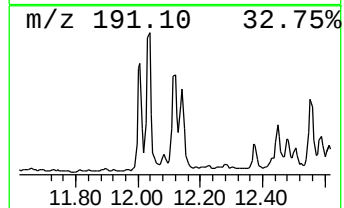
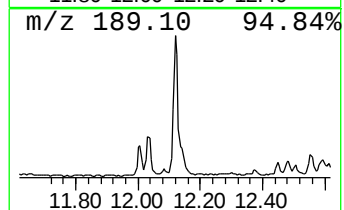
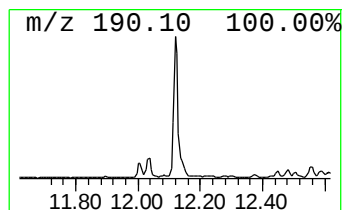
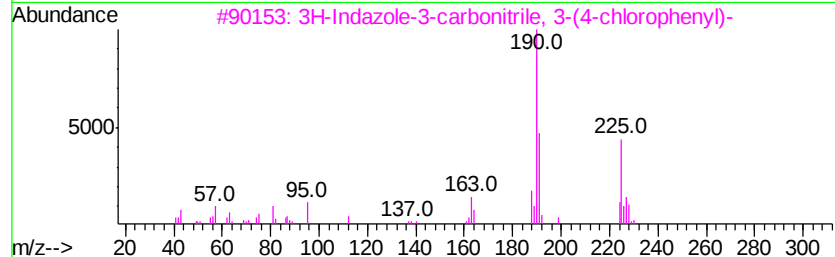
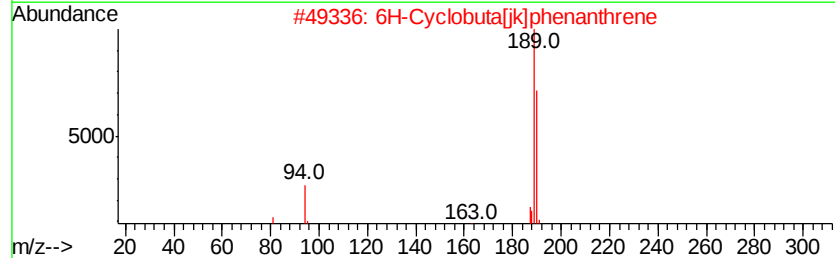
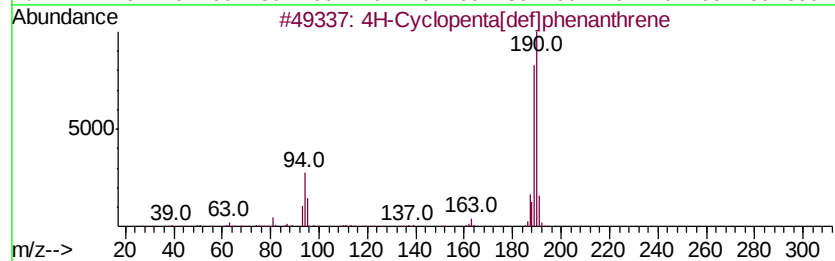
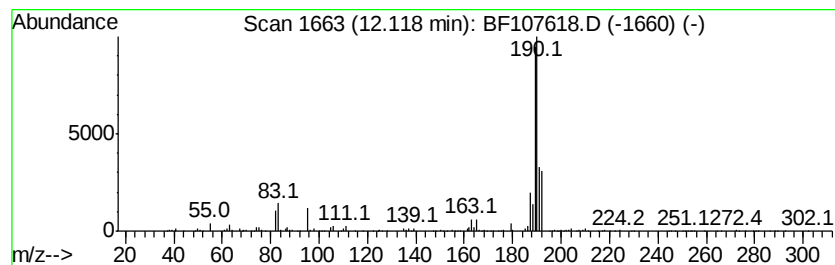
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 16 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.12 | 9.39 ng | 766502 | Phenanthrene-d10 | 11.51 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|-------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | 4H-Cyclopenta[def]phenanthrene      | 190 | C15H10    | 000203-64-5 | 93   |
| 2    |    | 6H-Cyclobuta[jk]phenanthrene        | 190 | C15H10    | 083469-43-6 | 50   |
| 3    |    | 3H-Indazole-3-carbonitrile, 3-(4... | 253 | C14H8ClN3 | 056630-97-8 | 20   |
| 4    |    | 1,4-Naphthalenedione, 2,5-dihydr... | 190 | C10H6O4   | 004923-55-1 | 17   |
| 5    |    | 2,3,5,6-Tetramethylterephthalald... | 190 | C12H14O2  | 007072-01-7 | 16   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\  
Data File : BF107618.D  
Acq On : 24 Jul 2018 14:57  
Operator : JU/SJ  
Sample : J4096-03 2X  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DW-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

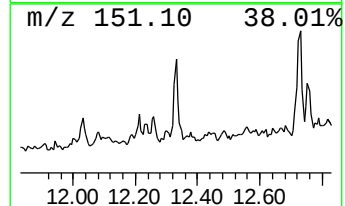
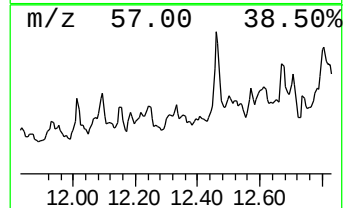
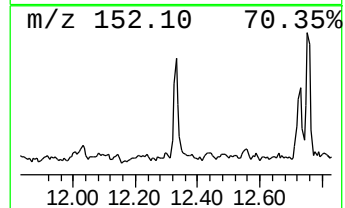
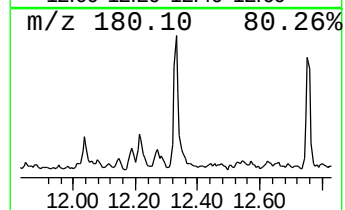
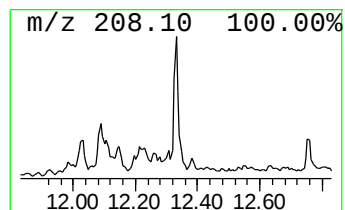
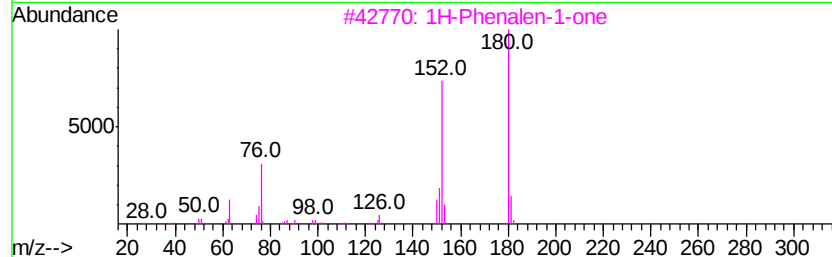
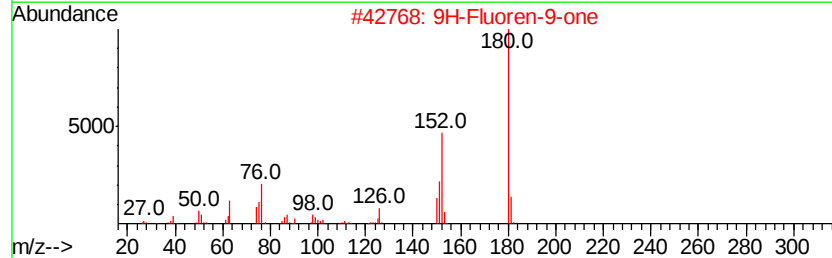
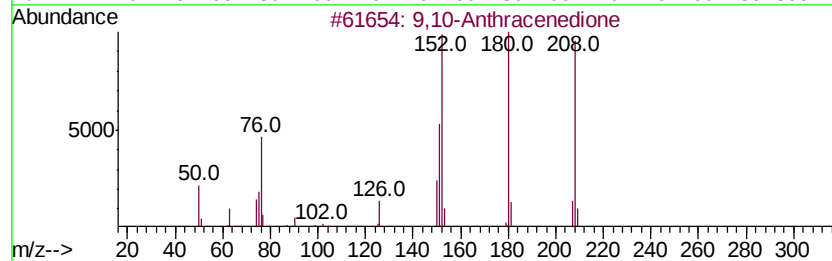
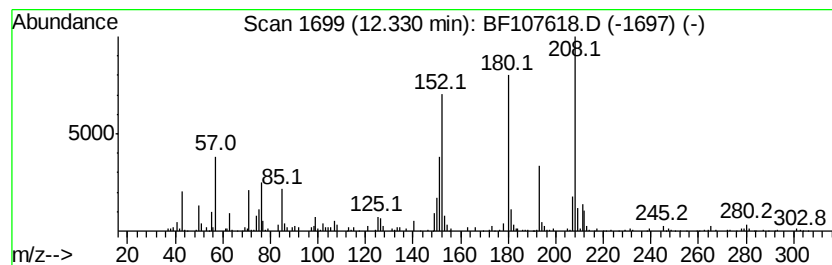
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 17 9,10-Anthracenedione Concentration Rank 15

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.33 | 2.90 ng | 236543 | Phenanthrene-d10 | 11.51 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 9,10-Anthracenedione                | 208 | C14H8O2  | 000084-65-1 | 95   |
| 2    |    | 9H-Fluoren-9-one                    | 180 | C13H8O   | 000486-25-9 | 64   |
| 3    |    | 1H-Phenalen-1-one                   | 180 | C13H8O   | 000548-39-0 | 50   |
| 4    |    | Benzo[c]cinnoline                   | 180 | C12H8N2  | 000230-17-1 | 45   |
| 5    |    | Dibenzo[b,E]-1,4-diazabicyclo[2.... | 208 | C14H12N2 | 094509-68-9 | 43   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\  
Data File : BF107618.D  
Acq On : 24 Jul 2018 14:57  
Operator : JU/SJ  
Sample : J4096-03 2X  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DW-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

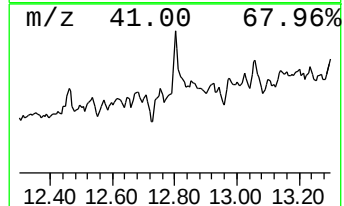
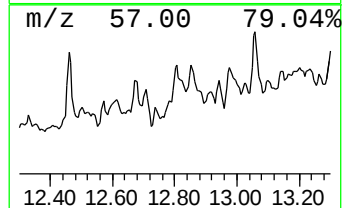
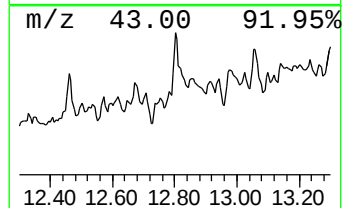
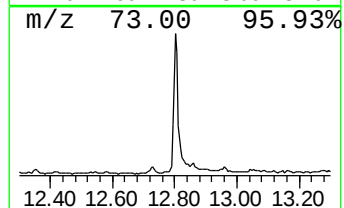
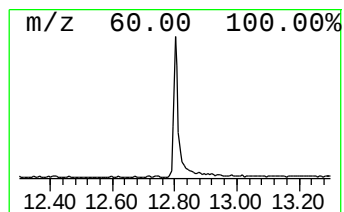
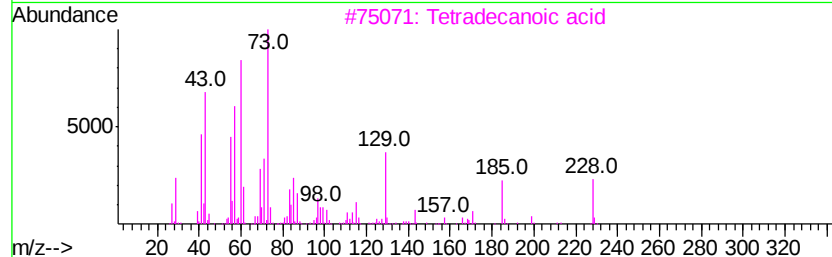
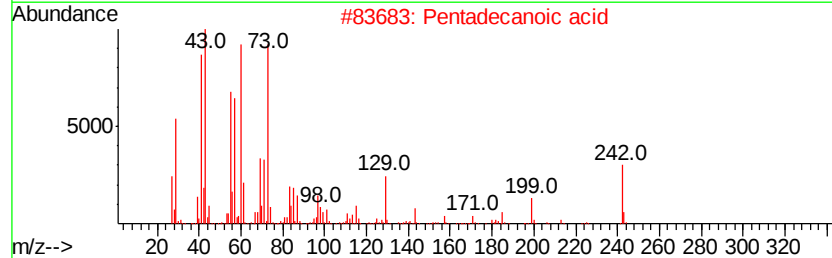
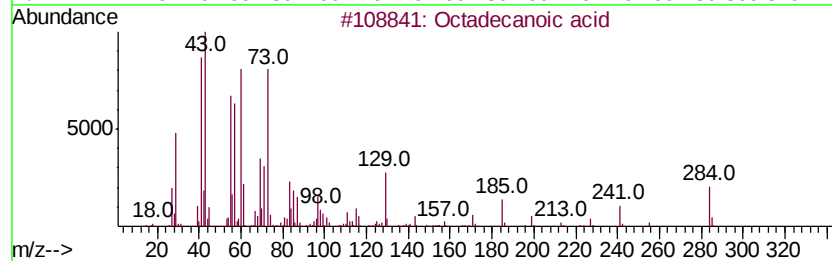
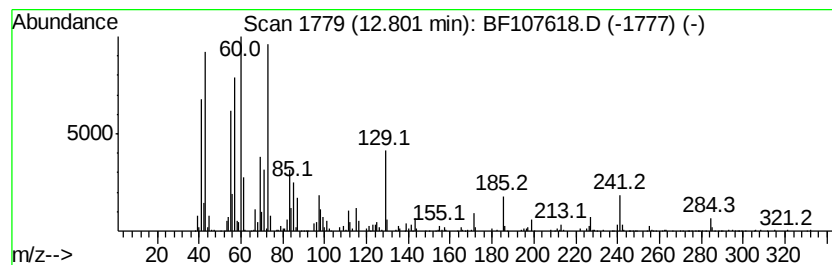
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 18 Octadecanoic acid Concentration Rank 5

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 12.80 | 12.71 ng | 1037930 | Phenanthrene-d10 | 11.51 |

| Hit# | of | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------|-----|----------|-------------|------|
| 1    | 5  | Octadecanoic acid   | 284 | C18H36O2 | 000057-11-4 | 99   |
| 2    |    | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 91   |
| 3    |    | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 83   |
| 4    |    | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 64   |
| 5    |    | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 59   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\  
Data File : BF107618.D  
Acq On : 24 Jul 2018 14:57  
Operator : JU/SJ  
Sample : J4096-03 2X  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

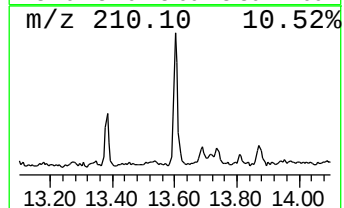
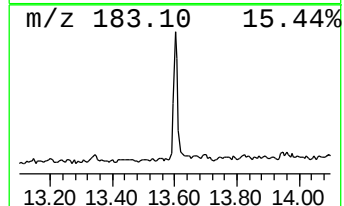
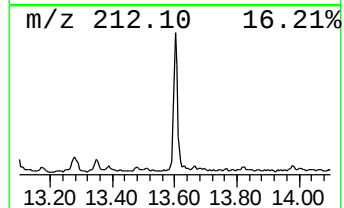
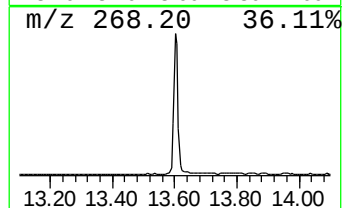
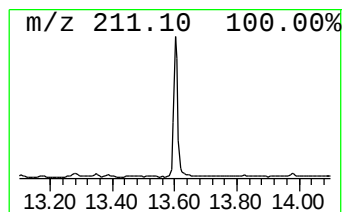
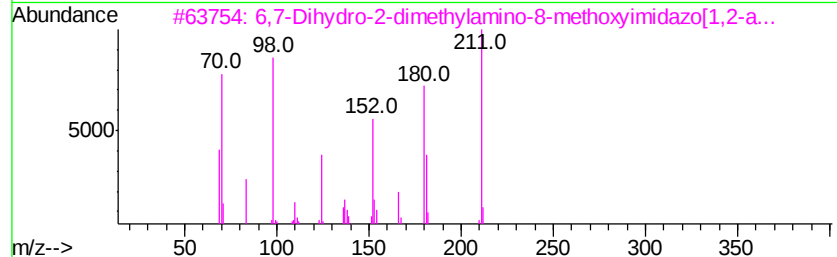
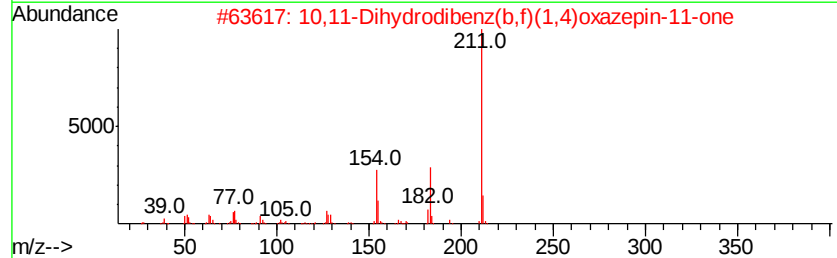
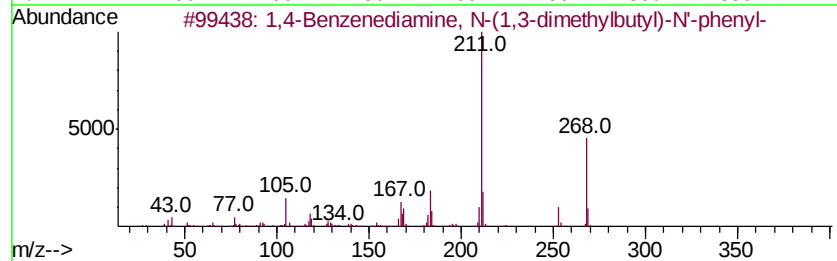
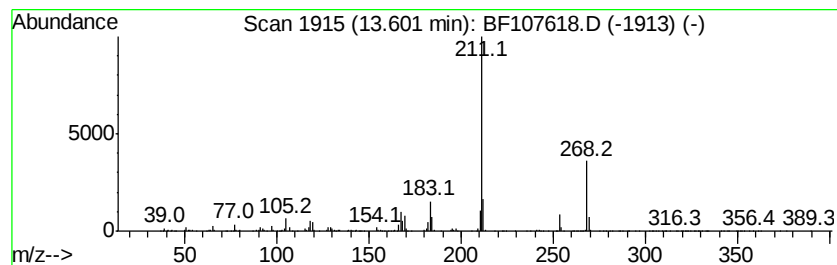
Instrument :  
BNA\_F  
ClientSampleId :  
DW-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 19 1,4-Benzenediamine, N-(1,3-... Concentration Rank 11

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 13.60     | 6.20 ng                             | 892965 | Chrysene-d12     | 14.16       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | 1,4-Benzenediamine, N-(1,3-dimet... | 268    | C18H24N2         | 000793-24-8 | 96   |
| 2         | 10,11-Dihydrodibenz(b,f)(1,4)oxa... | 211    | C13H9NO2         | 003158-85-8 | 52   |
| 3         | 6,7-Dihydro-2-dimethylamino-8-me... | 211    | C8H13N5O2        | 079845-30-0 | 43   |
| 4         | Pyrimidine, 2-(4-pentylphenyl)-5... | 268    | C18H24N2         | 094320-32-8 | 42   |
| 5         | 6H-Pyrido[2,3-b][1,4]benzodiazep... | 211    | C12H9N3O         | 000885-70-1 | 40   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF072418\  
 Data File : BF107618.D  
 Acq On : 24 Jul 2018 14:57  
 Operator : JU/SJ  
 Sample : J4096-03 2X  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DW-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF072018.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
 TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| 2-Pentanone, 4-hy... | 5.19  | 5.1 ng  |       | 383762   | 1                     | 6.97  | 1515960 | 20.0 |
| Naphthalene, 1-me... | 9.07  | 2.1 ng  |       | 209849   | 2                     | 8.25  | 1995470 | 20.0 |
| Naphthalene, 1,4-... | 9.66  | 4.5 ng  |       | 468299   | 3                     | 10.01 | 2075560 | 20.0 |
| Naphthalene, 1,4,... | 10.32 | 2.6 ng  |       | 271874   | 3                     | 10.01 | 2075560 | 20.0 |
| Naphthalene, 2,3,... | 10.35 | 2.9 ng  |       | 299507   | 3                     | 10.01 | 2075560 | 20.0 |
| Pentadecane, 2,6,... | 10.64 | 12.7 ng |       | 1321840  | 3                     | 10.01 | 2075560 | 20.0 |
| Undecane, 6-ethyl-   | 10.91 | 42.3 ng |       | 3454860  | 4                     | 11.51 | 1633300 | 20.0 |
| Phenol, 4-(1,1,3,... | 10.97 | 8.7 ng  |       | 710175   | 4                     | 11.51 | 1633300 | 20.0 |
| Silane, chlorotri... | 11.00 | 9.1 ng  |       | 743518   | 4                     | 11.51 | 1633300 | 20.0 |
| Phenol, p-tert-bu... | 11.04 | 8.0 ng  |       | 655512   | 4                     | 11.51 | 1633300 | 20.0 |
| Phenol, 2-(1,1-di... | 11.07 | 3.5 ng  |       | 286258   | 4                     | 11.51 | 1633300 | 20.0 |
| Hexadecane, 2,6,1... | 11.37 | 23.0 ng |       | 1875120  | 4                     | 11.51 | 1633300 | 20.0 |
| 1,2-Benzenedicarb... | 11.65 | 7.3 ng  |       | 599125   | 4                     | 11.51 | 1633300 | 20.0 |
| n-Hexadecanoic acid  | 12.01 | 14.8 ng |       | 1211030  | 4                     | 11.51 | 1633300 | 20.0 |
| 4H-Cyclopenta[def... | 12.12 | 9.4 ng  |       | 766502   | 4                     | 11.51 | 1633300 | 20.0 |
| 9,10-Anthracenedione | 12.33 | 2.9 ng  |       | 236543   | 4                     | 11.51 | 1633300 | 20.0 |
| Octadecanoic acid    | 12.80 | 12.7 ng |       | 1037930  | 4                     | 11.51 | 1633300 | 20.0 |
| 1,4-Benzenediamin... | 13.60 | 6.2 ng  |       | 892965   | 5                     | 14.16 | 2881800 | 20.0 |